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ALUTECH UNITED, INC.

STORM TEX SCREEN SYSTEM

(HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. INSTALLATION OF ROLL DOWN MAY EITHER BE INSIDE OR OUTSIDE OF THE TIE BEAM.
6. ALL EXTRUSION MATERIAL: 6061-T6 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
7. DESIGN AND OPERATION OF ROLL UP MECHANISM IS NOT PART OF THIS APPROVAL, MANUFACTURER SPECIFICATIONS SHOULD BE FOLLOWED. CARE SHOULD BE TAKEN WHEN SHUTTER IS IN MOTION ENSURING THAT PERSONAL INJURY OR DAMAGE TO THIS PRODUCT DOES NOT OCCUR.
8. FOR DESIGN PRESSURES SEE SHEET 2. SEE SHEETS 14, 16 AND 17 FOR DESIGN PRESSURES BASED ON MULLIONS.
9. HOOD ASSEMBLY IS IMPACT RATED AND CAN BE PLACED INSIDE FRAME OPENING AS AN EXPOSED FEATURE.
10. SHUTTER MANUFACTURER LABEL SHALL BE LOCATED IN A READILY VISIBLE LOCATION, PER FBC CHAPTER 17.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. REFER TO ANCHOR SCHEDULE CHARTS ON SHEETS 7, 8, 10, 14, 17, AND 20 FOR ANCHOR TYPE, SUBSTRATE TYPE, EDGE DISTANCE AND MINIMUM EMBEDMENT.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. ASSEMBLY FASTENERS SHALL BE COATED WITH AN HV COATING SYSTEM AS MANUFACTURED BY AN APPROVED COATING APPLICATOR REGISTERED WITH THE AMERICAN SHUTTER SYSTEMS ASSOCIATION.
7. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

9.A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

9.B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. SEE ANCHOR SCHEDULES, SHEETS 5, 6, 8, 13 AND 16 FOR ADDITIONAL REQUIREMENTS.

9.C. GROUT FILLED MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MIN 2000 PSI.

9.D. STEEL - MINIMUM A36, 3/16" THICKNESS

9.E. ALUMINUM - MINIMUM 6063-T6 1/4" THICKNESS.

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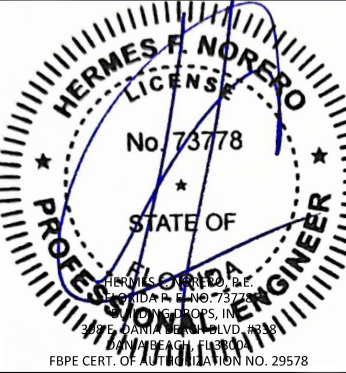
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
GENERAL & INSTALLATION NOTES

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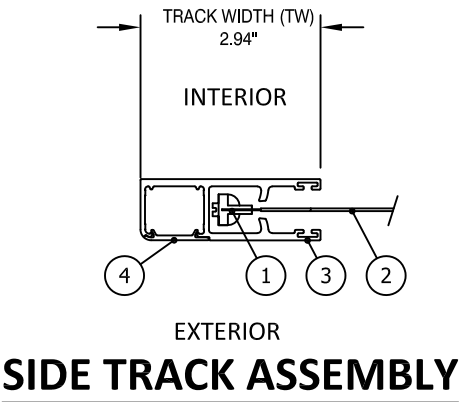
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Reason: I am approving this document
Date: 2023.10.02 14:21:19 -04'00'

DESIGN PRESSURE RATINGS

TABLE 1 - MAX ALLOWABLE DESIGN PRESSURE		
FRAME WIDTH	POSITIVE	NEGATIVE
288.0	35.0	35.0
264.0	46.2	46.2
240.0	57.5	57.5
216.0	68.7	68.7
192.0	80.0	80.0
180.0	85.0	85.0
168.0	90.0	90.0
156.0	95.0	95.0
144.0	100.0	100.0
132.0	105.0	105.0
120.0	110.0	110.0
108.0	115.0	115.0
96.0	120.0	120.0

TABLE 2: GLASS SEPARATION (GS) INCHES													
LOAD (PSF)	FRAME WIDTH (IN)												
	96	108	120	132	144	156	168	180	192	216	240	264	288
35	7.50	11.00	11.00	11.00	11.00	11.00	11.75	12.50	13.50	19.50	25.50	31.50	37.50
45	8.25	11.00	11.00	11.00	11.75	12.50	13.50	14.25	15.75	23.00	30.00	37.25	-
55	8.75	11.00	11.00	12.00	13.00	14.00	15.00	16.00	17.75	26.25	34.50	-	-
65	9.50	11.00	11.75	13.00	14.25	15.50	16.75	17.75	20.00	29.50	-	-	-
80	10.50	11.75	13.25	14.75	16.25	17.75	19.00	20.50	23.00	-	-	-	-
85	10.75	12.25	13.75	15.25	16.75	18.50	20.00	21.50	-	-	-	-	-
90	11.00	12.75	14.25	16.00	17.50	19.25	20.75	-	-	-	-	-	-
95	11.25	13.00	14.75	16.50	18.25	19.75	-	-	-	-	-	-	-
100	11.75	13.50	15.25	17.00	18.75	-	-	-	-	-	-	-	-
105	12.00	13.75	15.75	17.50	-	-	-	-	-	-	-	-	-
110	12.25	14.25	16.25	-	-	-	-	-	-	-	-	-	-
115	12.50	14.75	-	-	-	-	-	-	-	-	-	-	-
120	13.00	-	-	-	-	-	-	-	-	-	-	-	-

- NOTES:
1. MINIMUM GLASS SEPARATION BASED ON MAXIMUM DEFLECTION + 1".
 2. ANALYSIS IS LIMITED BY DEFLECTION UNDER STRUCTURAL LOADS AS WELL AS DEFLECTION DUE TO MISSILE LEVEL D LARGE MISSILE IMPACTS.
 3. APPROPRIATE INSTALLATION METHOD SHALL BE USED TO ACHIEVE THE REQUIRED SEPARATION IN THE ABOVE TABLE.
 4. GLASS SEPARATION REQUIRED IN HVHZ AREAS. GLASS SEPARATION REQUIREMENTS TO BE DETERMINED BY AHJ OUTSIDE OF HVHZ REGION.



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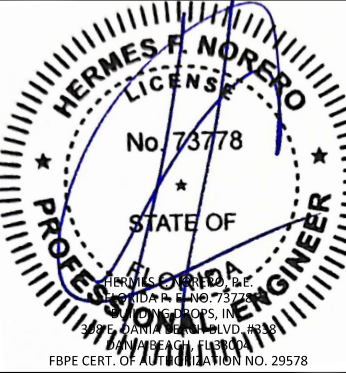
TITLE: STORM TEX SCREEN SYSTEM
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ELEVATION & DESIGN PRESSURE
TABLE

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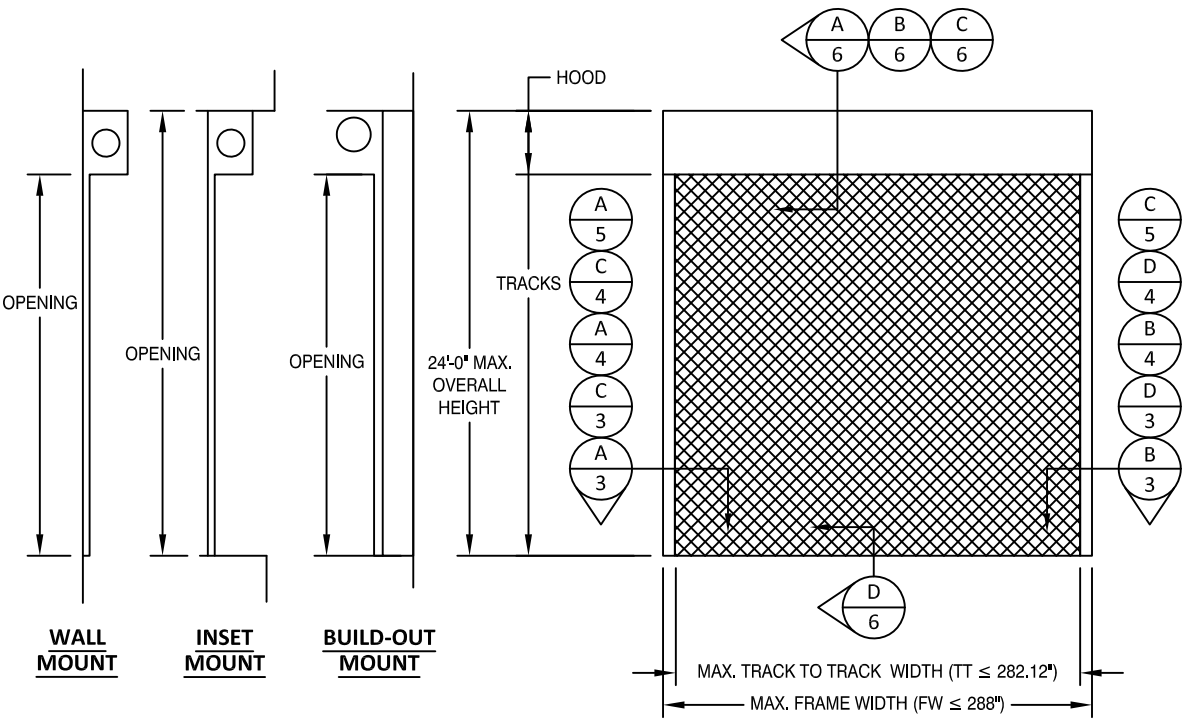
DWG. #: ALU002

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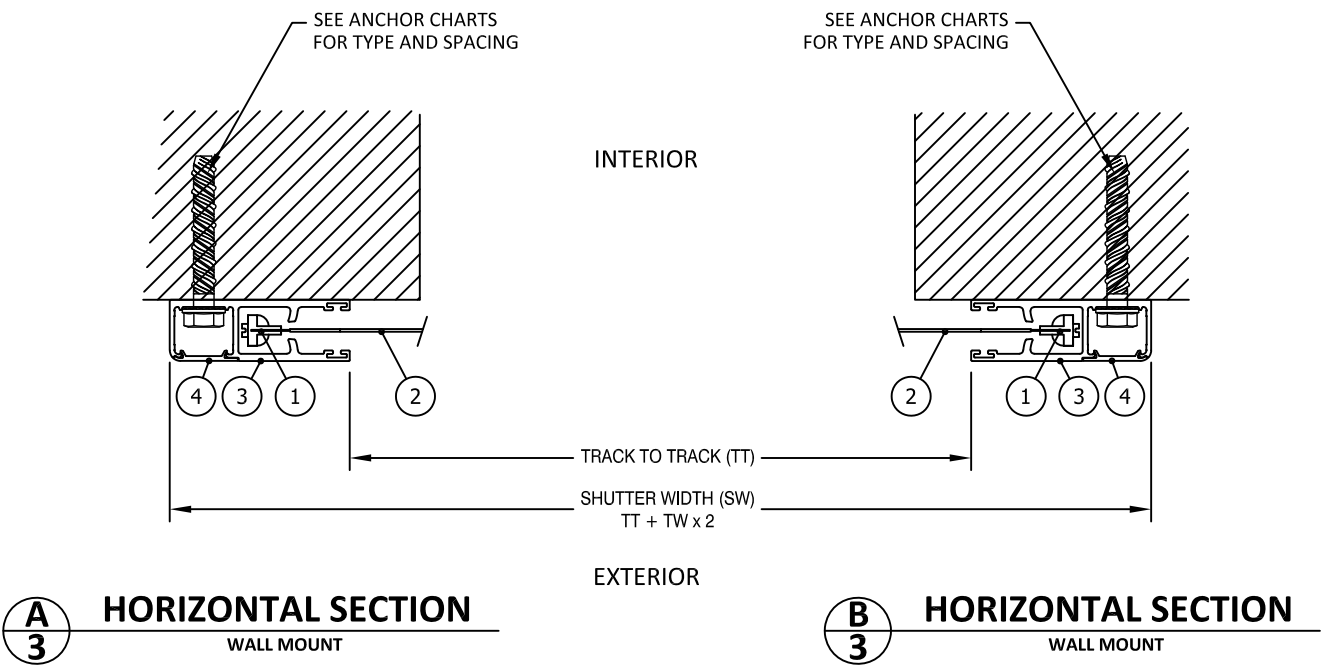
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TYPICAL SINGLE UNIT ELEVATION WALL AND INSET MOUNT DETAILS



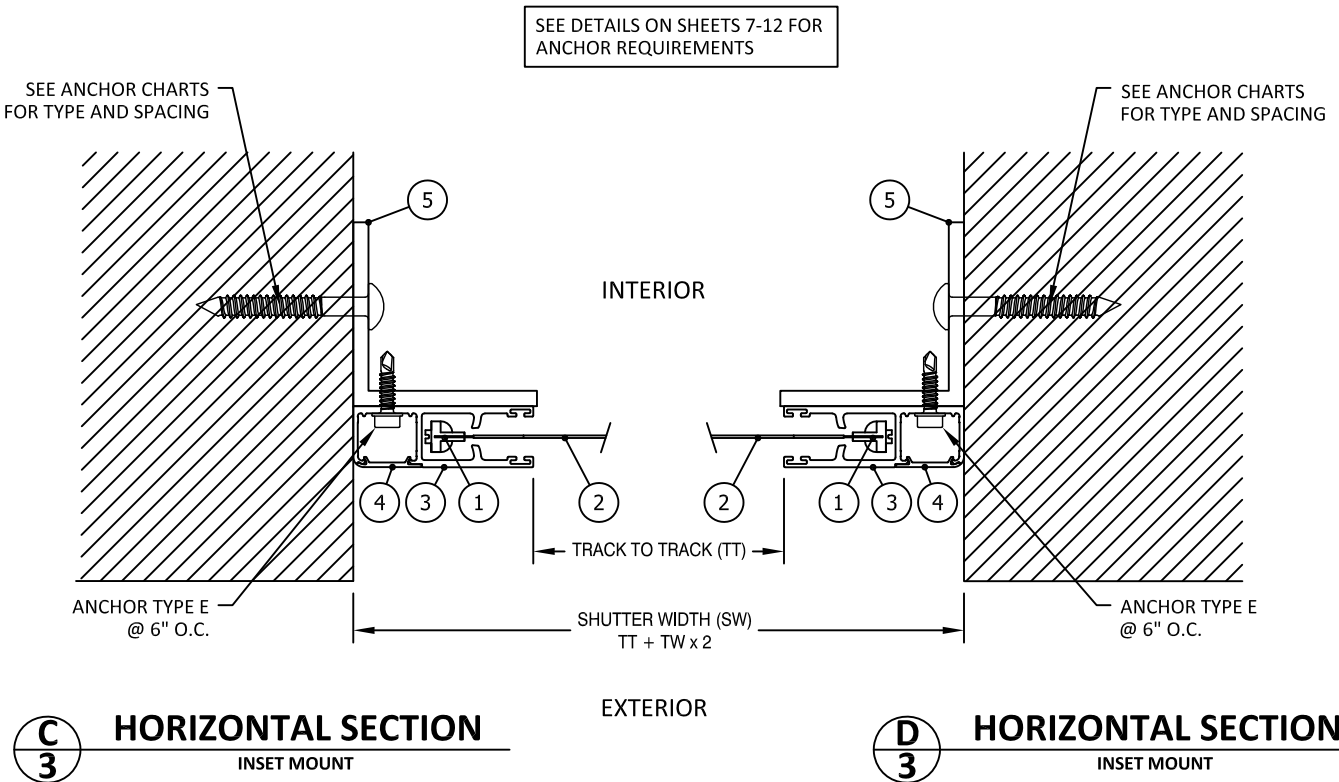
REVERSED INSTALLATION
IS ACCEPTABLE

COMBINATION MOUNTED:
WALL, INSET, AND BUILD-OUT
MOUNTS CAN BE INSTALLED BY MIXING
ANY POSSIBLE COMBINATIONS



A
3 HORIZONTAL SECTION
WALL MOUNT

B
3 HORIZONTAL SECTION
WALL MOUNT



C
3 HORIZONTAL SECTION
INSET MOUNT

D
3 HORIZONTAL SECTION
INSET MOUNT



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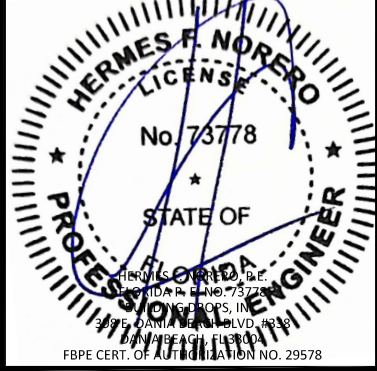
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(HVHZ) (IMPACT)
TYP. SINGLE UNIT
HORIZONTAL SECTIONS

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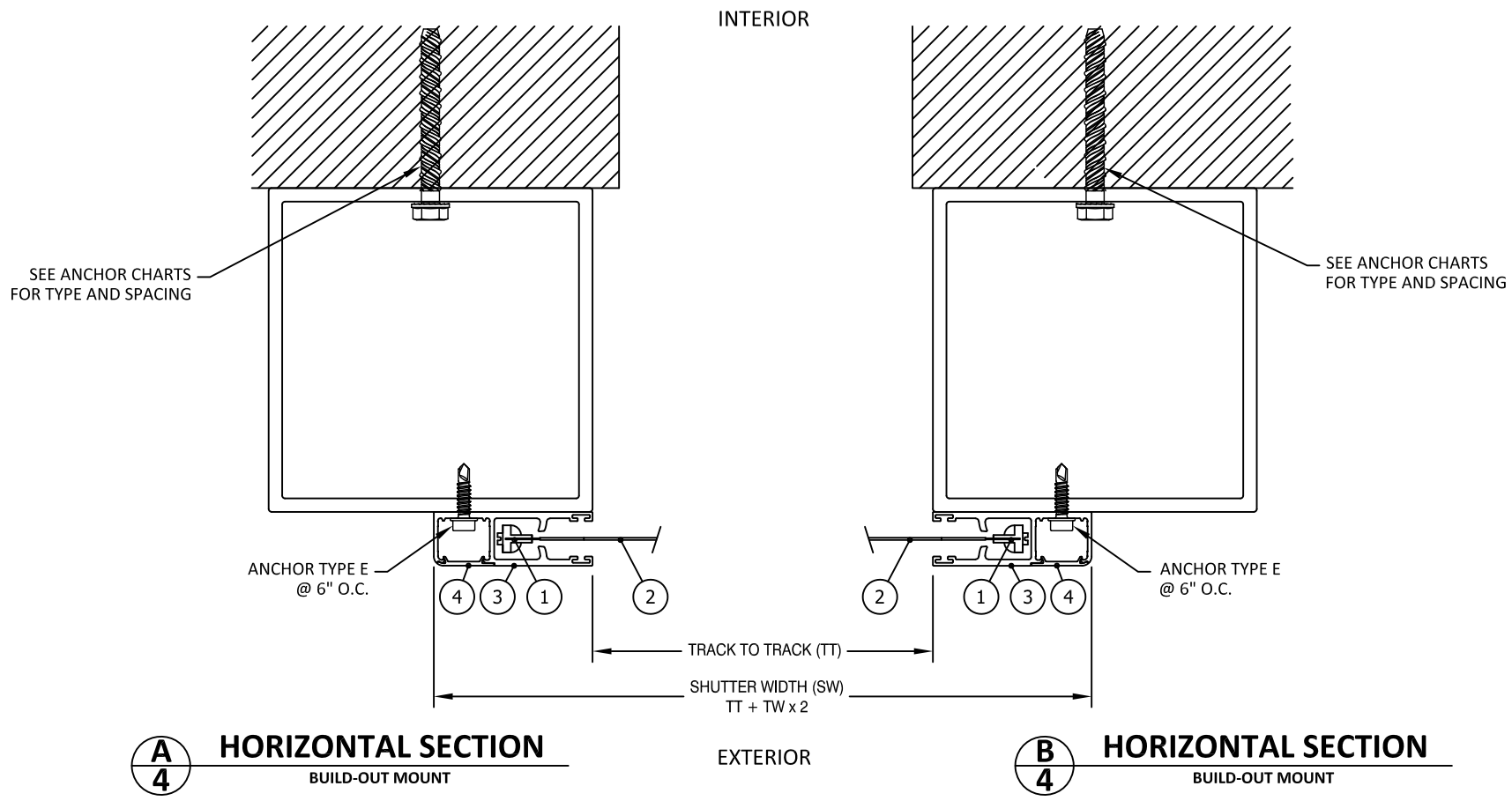
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BUILD OUT MOUNT DETAILS



SEE DETAILS ON SHEETS 7-12 FOR ANCHOR REQUIREMENTS

COMBINATION MOUNTED:
WALL, INSET AND BUILD-OUT
MOUNTS CAN BE INSTALLED BY MIXING
ANY POSSIBLE COMBINATIONS



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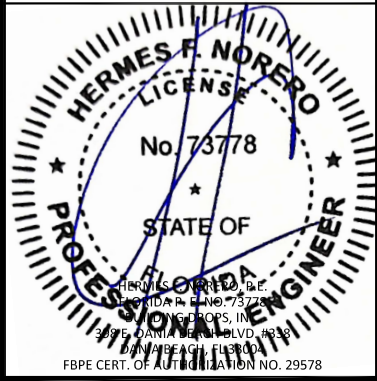
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BUILD OUT MOUNT DETAILS

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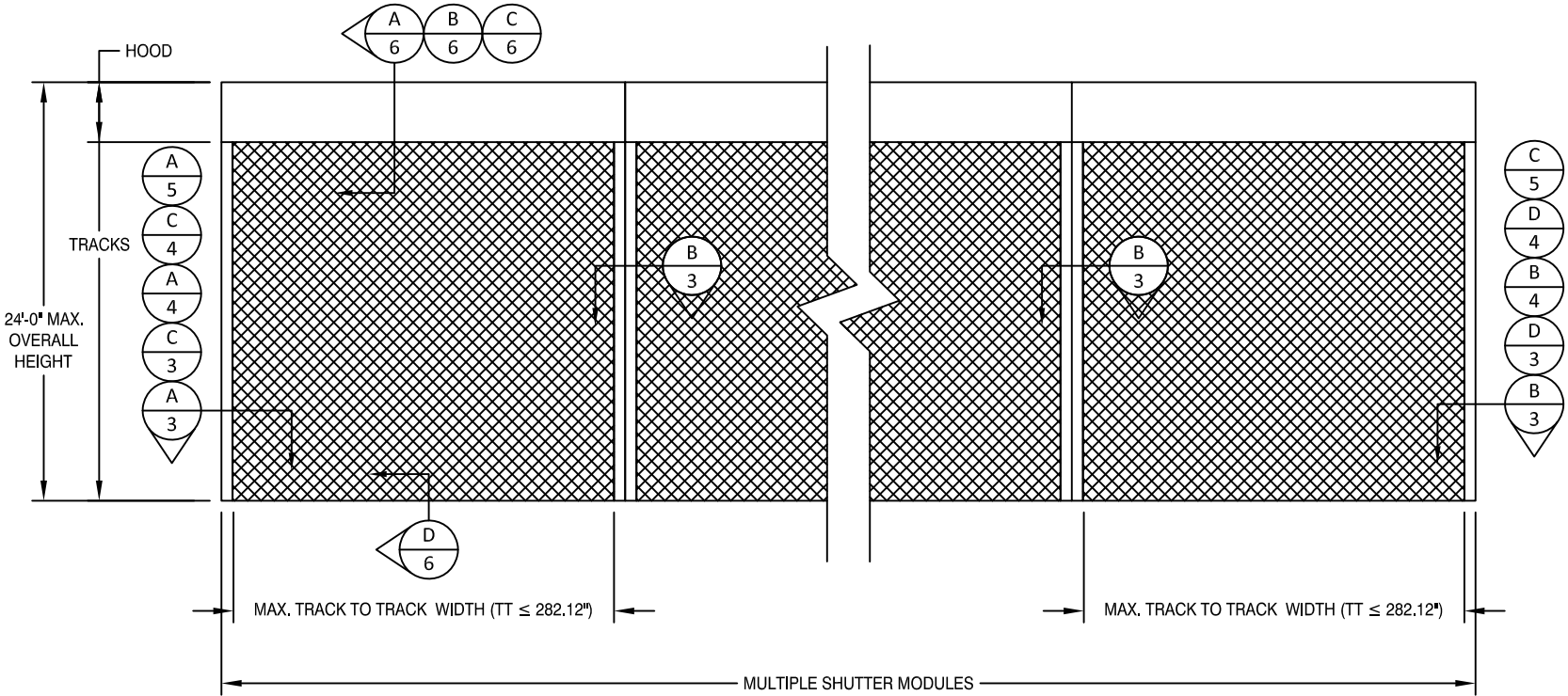
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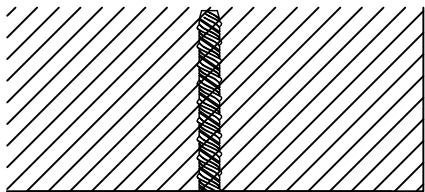
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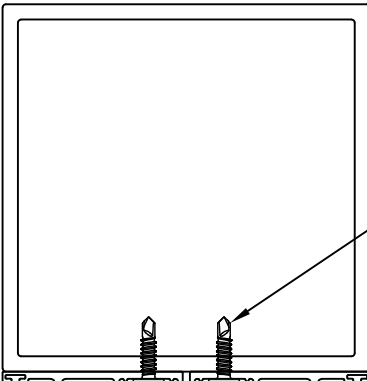
TYPICAL MULTIPLE UNITS ELEVATION



SEE DETAILS ON SHEETS 7-12 FOR ANCHOR REQUIREMENTS



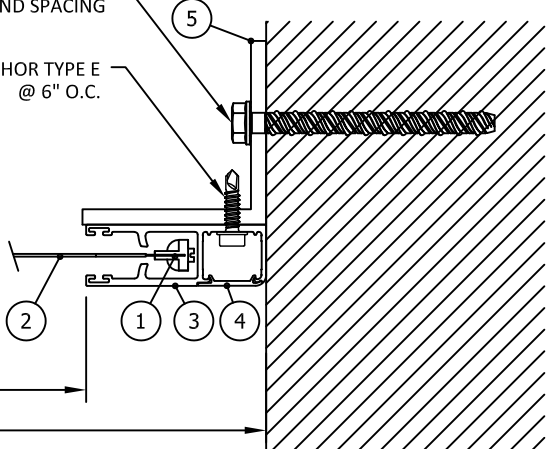
INTERIOR



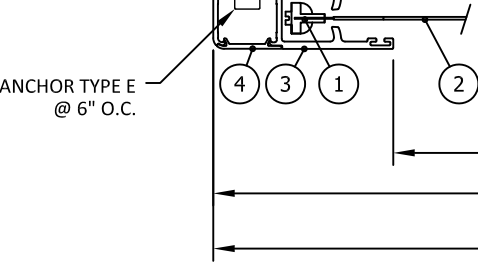
EXTERIOR

SEE ANCHOR CHARTS FOR TYPE AND SPACING

ANCHOR TYPE E @ 6" O.C.



ANCHOR TYPE E @ 6" O.C.



A
5

HORIZONTAL SECTION
BUILD-OUT MOUNT

B
5

HORIZONTAL SECTION
MULTIPLE CONNECTION

C
5

HORIZONTAL SECTION
INSET MOUNT

ALUTECH
UNITED, INC.

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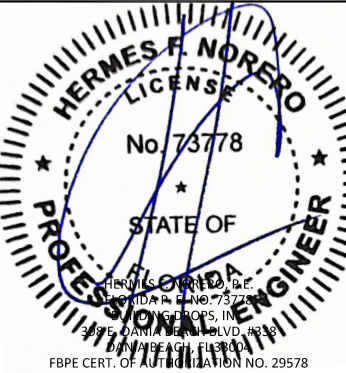
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
MULTIPLE UNITS
HORIZONTAL SECTIONS

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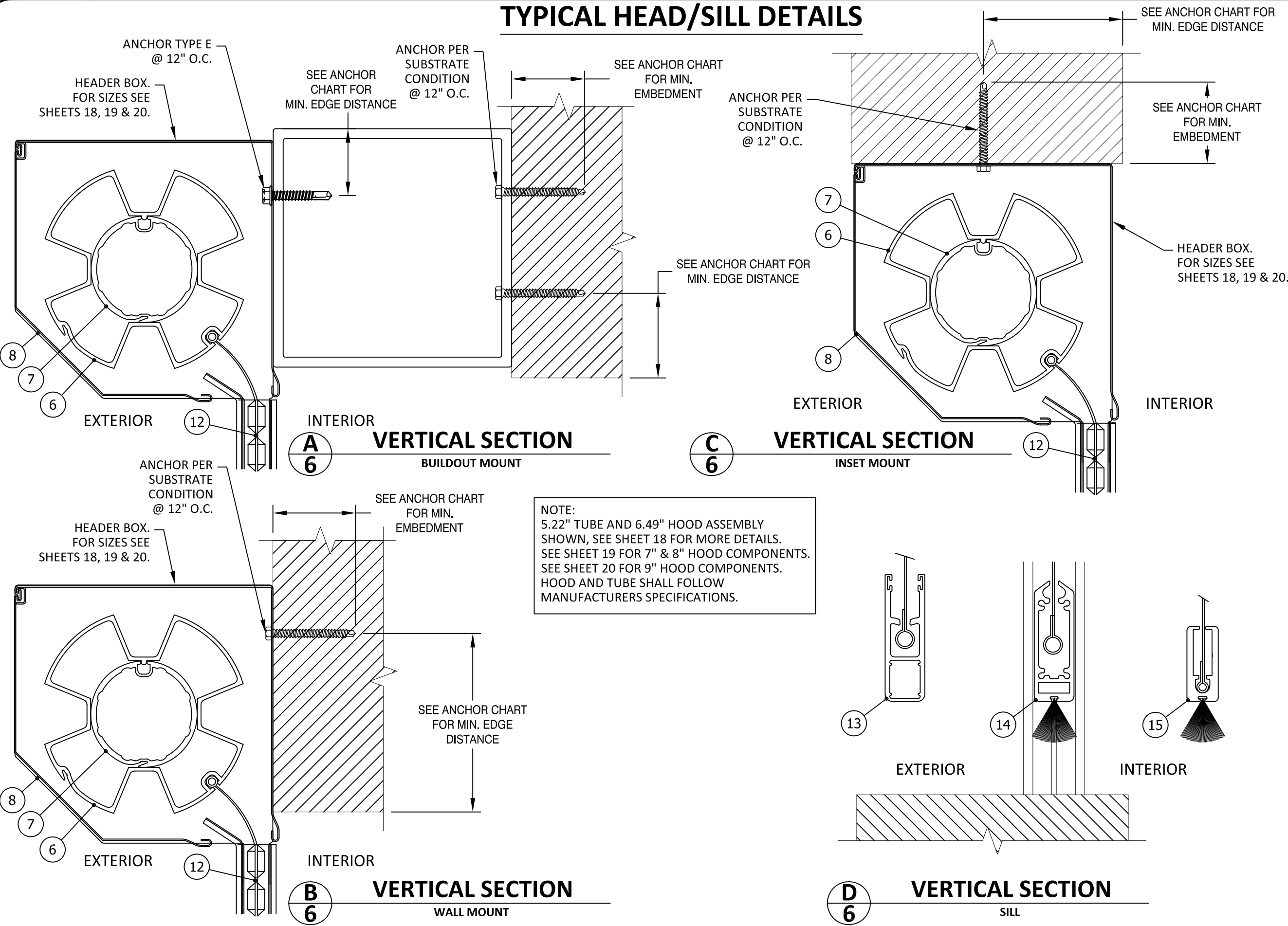
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TYPICAL HEAD/SILL DETAILS



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TYP. VERTICAL SECTIONS

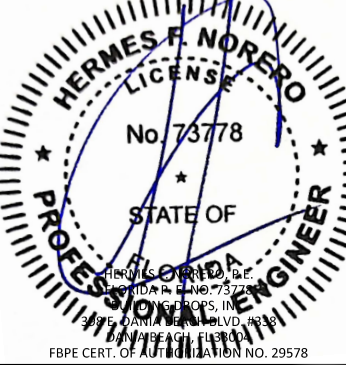
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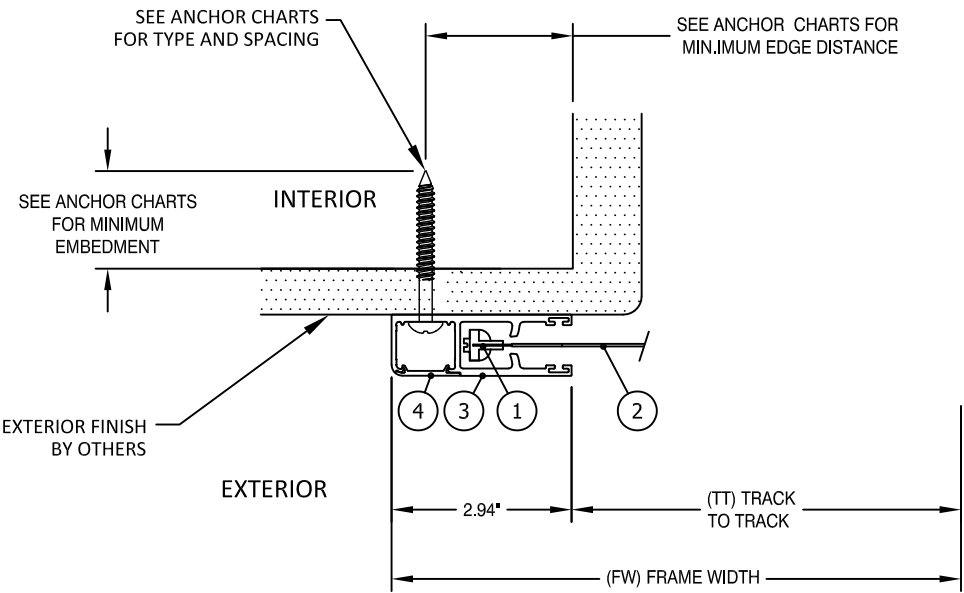


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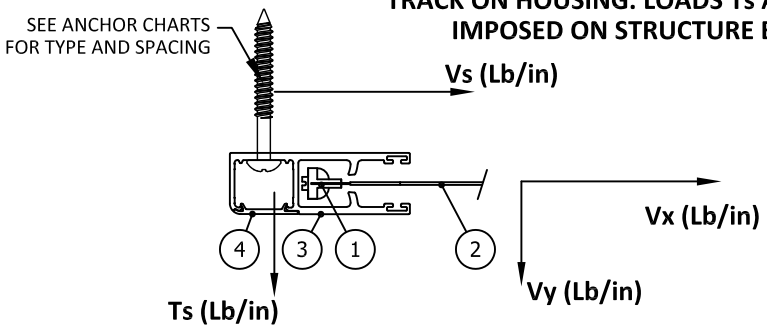
TABLE 3 - ANCHOR SPACING						ANCHOR TYPE & SPACING WALL - MOUNT 1						ANCHOR TYPE & SPACING 1X2, 2X2, 2X3, 2X4, 4X4 OR 6X6 BO - MOUNT 2					
FW	DP	VY	VX	Vs	Ts	A	B	C	D	E	F	A	B	C	D	E	F
96	35	11.7	38.3	38.3	104.2	6	6	6	6	6	6	6	6	6	6	6	6
	40	13.3	41.9	41.9	114.9	6	6	6	6	6	6	6	6	6	6	6	6
	45	15.0	45.1	45.1	124.9	6	6	6	6	6	6	6	6	6	6	6	6
	50	16.7	48.1	48.1	134.4	6	6	6	6	6	6	6	6	6	6	6	6
	55	18.3	50.8	50.8	143.3	6	6	6	6	6	6	6	6	6	6	6	6
	60	20.0	53.3	53.3	151.8	6	6	6	6	6	6	6	6	6	6	6	6
	65	21.7	55.7	55.7	159.9	6	6	6	6	6	6	6	6	6	6	6	6
	70	23.3	57.8	57.8	167.7	6	6	6	6	6	6	6	6	6	6	6	6
	75	25.0	59.9	59.9	175.1	6	6	6	6	6	6	6	6	6	6	6	6
	80	26.7	61.8	61.8	182.3	6	6	6	6	6	6	6	6	5	6	6	6
	85	28.3	63.6	63.6	189.1	6	6	6	6	6	6	6	6	5	6	6	6
	90	30.0	65.2	65.2	195.8	6	6	6	6	6	6	6	6	5	6	6	6
102	95	31.7	66.8	66.8	202.2	6	6	6	6	6	6	6	6	4	6	6	6
	100	33.3	68.3	68.3	208.4	6	6	6	6	6	6	6	6	4	6	6	6
	105	35.0	69.7	69.7	214.5	6	6	6	6	6	6	6	6	4	6	6	6
	110	36.7	71.0	71.0	220.4	6	6	6	6	6	6	6	6	4	6	6	6
	115	38.3	72.2	72.2	226.1	6	6	6	6	6	6	6	6	4	6	6	5
	120	40.0	73.4	73.4	231.7	6	6	6	6	6	6	6	6	4	5	6	5
	35	12.4	41.3	112.1	41.3	6	6	6	6	6	6	6	6	6	6	6	6
	40	14.2	45.0	123.2	45.0	6	6	6	6	6	6	6	6	6	6	6	6
	45	15.9	48.3	133.6	48.3	6	6	6	6	6	6	6	6	6	6	6	6
	50	17.7	51.3	143.4	51.3	6	6	6	6	6	6	6	6	6	6	6	6
	55	19.5	54.1	152.6	54.1	6	6	6	6	6	6	6	6	6	6	6	6
	60	21.3	56.7	161.4	56.7	6	6	6	6	6	6	6	6	6	6	6	6
108	65	23.0	59.0	169.7	59.0	6	6	6	6	6	6	6	6	6	6	6	6
	70	24.8	61.2	177.6	61.2	6	6	6	6	6	6	6	6	5	6	6	6
	75	26.6	63.2	185.3	63.2	6	6	6	6	6	6	6	6	5	6	6	6
	80	28.3	65.1	192.6	65.1	6	6	6	6	6	6	6	6	5	6	6	6
	85	30.1	66.9	199.6	66.9	6	6	6	6	6	6	6	6	5	6	6	6
	90	31.9	68.5	206.4	68.5	6	6	6	6	6	6	6	6	4	6	6	6
	95	33.6	70.1	212.9	70.1	6	6	6	6	6	6	6	6	4	6	6	6
	100	35.4	71.5	219.3	71.5	6	6	6	6	6	6	6	6	4	6	6	6
	105	37.2	72.9	225.5	72.9	6	6	6	6	6	6	6	6	4	6	6	5
	110	39.0	74.2	231.5	74.2	6	6	6	6	6	6	6	6	4	5	6	5
	115	40.7	75.4	237.3	75.4	6	6	6	6	6	6	6	6	3	5	6	5
	35	13.1	44.4	120.0	44.4	6	6	6	6	6	6	6	6	6	6	6	6
	40	15.0	48.1	131.6	48.1	6	6	6	6	6	6	6	6	6	6	6	6
	45	16.9	51.6	142.3	51.6	6	6	6	6	6	6	6	6	6	6	6	6
	50	18.8	54.6	152.4	54.6	6	6	6	6	6	6	6	6	6	6	6	6
	55	20.6	57.5	161.9	57.5	6	6	6	6	6	6	6	6	6	6	6	6
	60	22.5	60.0	170.9	60.0	6	6	6	6	6	6	6	6	6	6	6	6
	65	24.4	62.4	179.5	62.4	6	6	6	6	6	6	6	6	5	6	6	6
	70	26.3	64.6	187.6	64.6	6	6	6	6	6	6	6	6	5	6	6	6
	75	28.1	66.6	195.4	66.6	6	6	6	6	6	6	6	6	5	6	6	6
	80	30.0	68.5	202.9	68.5	6	6	6	6	6	6	6	6	4	6	6	6
	85	31.9	70.3	210.1	70.3	6	6	6	6	6	6	6	6	4	6	6	6
	90	33.8	71.9	217.0	71.9	6	6	6	6	6	6	6	6	4	6	6	6
	95	35.6	73.4	223.7	73.4	6	6	6	6	6	6	6	6	4	6	6	5
	100	37.5	74.8	230.2	74.8	6	6	6	6	6	6	6	6	4	5	6	5
	105	39.4	76.2	236.5	76.2	6	6	6	6	6	6	6	6	3	5	6	5
	110	41.3	77.4	242.7	77.4	6	6	6	6	6	6	6	6	3	5	6	5
	115	43.1	78.6	248.6	78.6	6	6	6	6	6	6	6	5	3	5	6	4

TYPICAL HORIZONTAL SECTIONS
WALL MOUNT



A
7
HORIZONTAL SECTION
MOUNT TYPE 1
WALL MOUNT
*WITH END RETENTION

CONTRACTOR TO VERIFY ADEQUACY OF STRUCTURE
NOTE: LOADS Vy AND Vx ARE LOADS IMPOSED BY
TRACK ON HOUSING. LOADS Ts AND Vs ARE LOADS
IMPOSED ON STRUCTURE BY ANCHORS.



ANCHOR	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
C	3/8" DEWALT/POWERS WEDGE BOLT	GROUT FILLED C-90 BLOCK, f'm ≥ 2000 PSI	2"	2 1/2"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK, f'm ≥ 2000 PSI	4"	2 1/4"
E	#14 DEWALT/ELCO DRIL-FLEX SELF-DRILLING SCREW	MIN. 1/4" 6063-T6 ALUM.	1/2"	3 THREADS PENETRATION
		MIN. 3/16" A36 STEEL	3/8"	
F	5/16" DEWALT/ELCO ULTRACON	WOOD, MIN. SG = 0.55	1 1/2"	2"



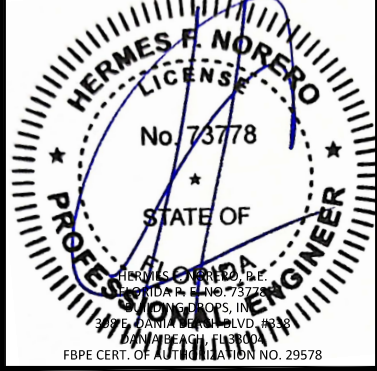
P.O. BOX 329
15 DIXON STREET
SELBYVILLE, DE 19975
PH: (302) 436-6005

TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS &
ANCHOR SCHEDULE

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL31165

DATE: 02.05.2020

DWG. BY: RV CHK. BY: HFN

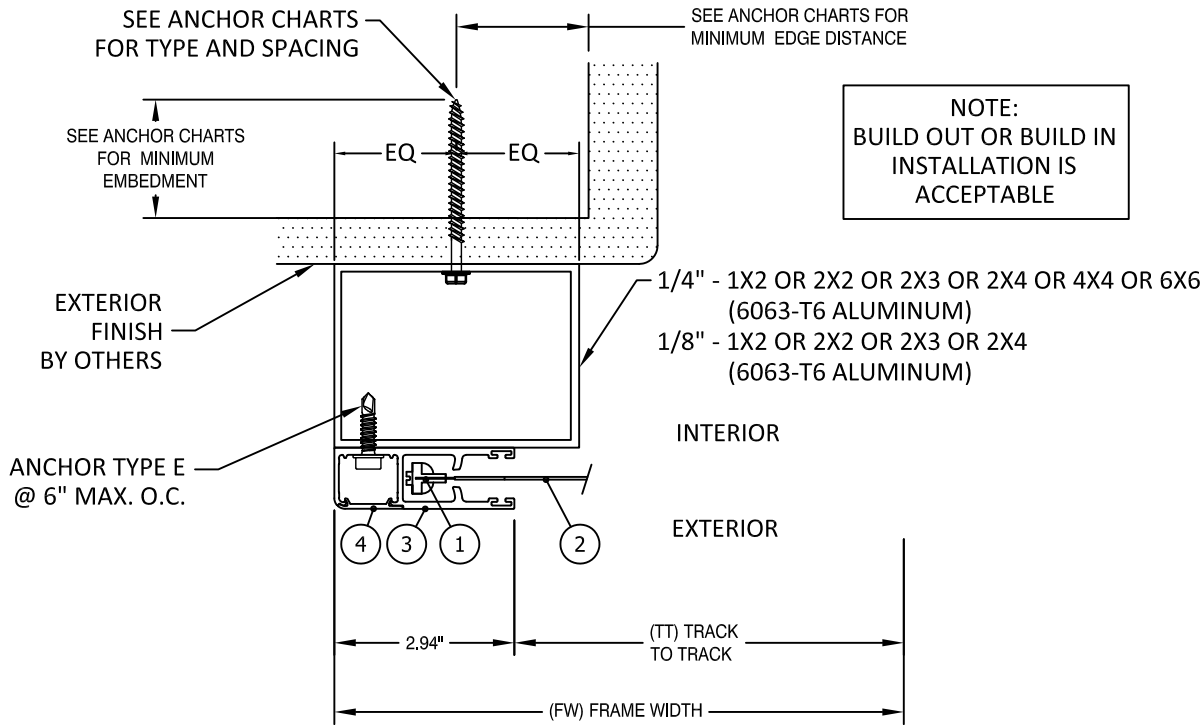
SCALE: NTS

DWG. #: ALU002

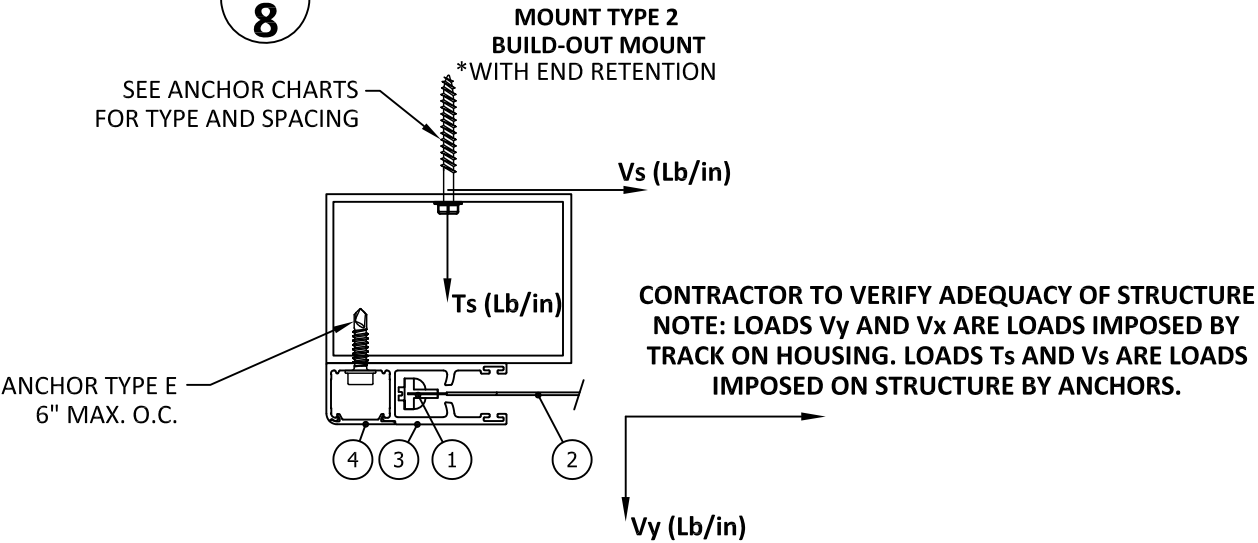
SHEET: 7 OF 21

TABLE 3 - ANCHOR SPACING						ANCHOR TYPE & SPACING WALL - MOUNT 1						ANCHOR TYPE & SPACING 1X2, 2X2, 2X3, 2X4, 4X4 OR 6X6 BO - MOUNT 2					
FW	DP	VY	VX	Vs	Ts	A	B	C	D	E	F	A	B	C	D	E	F
114	35	13.9	47.4	127.9	47.4	6	6	6	6	6	6	6	6	6	6	6	6
	40	15.8	51.3	139.9	51.3	6	6	6	6	6	6	6	6	6	6	6	6
	45	17.8	54.8	151.1	54.8	6	6	6	6	6	6	6	6	6	6	6	6
	50	19.8	57.9	161.5	57.9	6	6	6	6	6	6	6	6	6	6	6	6
	55	21.8	60.8	171.3	60.8	6	6	6	6	6	6	6	6	6	6	6	6
	60	23.8	63.4	180.5	63.4	6	6	6	6	6	6	6	6	5	6	6	6
	65	25.7	65.8	189.3	65.8	6	6	6	6	6	6	6	6	5	6	6	6
	70	27.7	68.0	197.6	68.0	6	6	6	6	6	6	6	6	5	6	6	6
	75	29.7	70.0	205.6	70.0	6	6	6	6	6	6	6	6	4	6	6	6
	80	31.7	71.9	213.2	71.9	6	6	6	6	6	6	6	6	4	6	6	6
	85	33.6	73.6	220.6	73.6	6	6	6	6	6	6	6	6	4	6	6	5
	90	35.6	75.2	227.7	75.2	6	6	6	6	6	6	6	6	4	6	6	5
120	95	37.6	76.7	234.6	76.7	6	6	6	6	6	6	6	6	3	5	6	5
	100	39.6	78.2	241.2	78.2	6	6	6	6	6	6	6	6	3	5	6	5
	105	41.6	79.5	247.7	79.5	6	6	6	6	6	6	6	5	3	5	6	4
	110	43.5	80.7	253.9	80.7	6	6	6	6	6	6	6	5	3	5	6	4
	35	14.6	50.5	135.9	50.5	6	6	6	6	6	6	6	6	6	6	6	6
	40	16.7	54.5	148.3	54.5	6	6	6	6	6	6	6	6	6	6	6	6
	45	18.8	58.0	159.8	58.0	6	6	6	6	6	6	6	6	6	6	6	6
	50	20.8	61.2	170.5	61.2	6	6	6	6	6	6	6	6	6	6	6	6
	55	22.9	64.1	180.6	64.1	6	6	6	6	6	6	6	6	5	6	6	6
	60	25.0	66.8	190.1	66.8	6	6	6	6	6	6	6	6	5	6	6	6
	65	27.1	69.2	199.1	69.2	6	6	6	6	6	6	6	6	4	6	6	6
	70	29.2	71.4	207.6	71.4	6	6	6	6	6	6	6	6	4	6	6	6
132	75	31.3	73.4	215.8	73.4	6	6	6	6	6	6	6	6	4	6	6	6
	80	33.3	75.3	223.6	75.3	6	6	6	6	6	6	6	6	4	6	6	5
	85	35.4	77.0	231.1	77.0	6	6	6	6	6	6	6	6	3	5	6	5
	90	37.5	78.6	238.4	78.6	6	6	6	6	6	6	6	6	3	5	6	5
	95	39.6	80.1	245.4	80.1	6	6	6	6	6	6	6	6	3	5	6	5
	100	41.7	81.5	252.2	81.5	6	6	6	6	6	6	6	5	3	5	6	4
	105	43.8	82.8	258.8	82.8	6	6	6	6	6	6	6	5	3	4	6	4
	110	45.8	84.0	265.3	84.0	6	6	6	6	6	6	6	5	3	4	6	4
	35	16.0	56.6	151.8	56.6	6	6	6	6	6	6	6	6	6	6	6	6
	40	18.3	60.8	165.0	60.8	6	6	6	6	6	6	6	6	6	6	6	6
	45	20.6	64.5	177.2	64.5	6	6	6	6	6	6	6	6	5	6	6	6
	50	22.9	67.8	188.6	67.8	6	6	6	6	6	6	6	6	5	6	6	6
132	55	25.2	70.8	199.2	70.8	6	6	6	6	6	6	6	6	4	6	6	6
	60	27.5	73.5	209.2	73.5	6	6	6	6	6	6	6	6	4	6	6	6
	65	29.8	75.9	218.6	75.9	6	6	6	6	6	6	6	6	4	6	6	5
	70	32.1	78.2	227.6	78.2	6	6	6	6	6	6	6	6	3	5	6	5
	75	34.4	80.2	236.2	80.2	6	6	6	6	6	6	6	6	3	5	6	5
	80	36.7	82.1	244.4	82.1	6	6	6	6	6	6	6	6	3	5	6	5
	85	39.0	83.8	252.3	83.8	6	6	6	6	6	6	6	5	3	5	6	4
	90	41.3	85.4	259.9	85.4	6	6	6	6	6	6	6	5	3	4	6	4
	95	43.5	86.9	267.3	86.9	6	6	6	6	6	6	6	5	3	4	6	4
	100	45.8	88.2	274.4	88.2	6	6	6	6	6	6	6	4	3	4	6	4
	105	48.1	89.5	281.3	89.5	6	6	6	6	6	6	6	4	-	4	6	4

TYPICAL HORIZONTAL SECTIONS
BUILD OUT



A
8
HORIZONTAL SECTION



ANCHOR	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
C	3/8" DEWALT/POWERS WEDGE BOLT	GROUT FILLED C-90 BLOCK, f'm ≥ 2000 PSI	2"	2 1/2"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK, f'm ≥ 2000 PSI	4"	2 1/4"
E	#14 DEWALT/ELCO DRIL-FLEX SELF-DRILLING SCREW	MIN. 1/4" 6063-T6 ALUM. MIN. 3/16" A36 STEEL	1/2" 3/8"	3 THREADS PENETRATION
F	5/16" DEWALT/ELCO ULTRA CON	WOOD, MIN. SG = 0.55	1 1/2"	2"

ALUTECH
UNITED, INC

P.O. BOX 329
15 DIXON STREET
SELBYVILLE, DE 19975
PH: (302) 436-6005

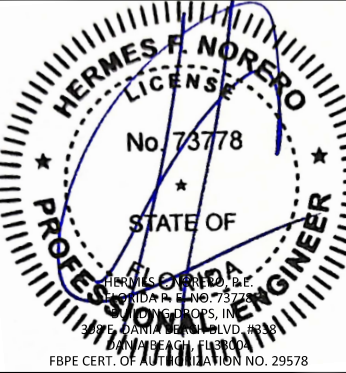
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS &
ANCHOR SCHEDULE

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

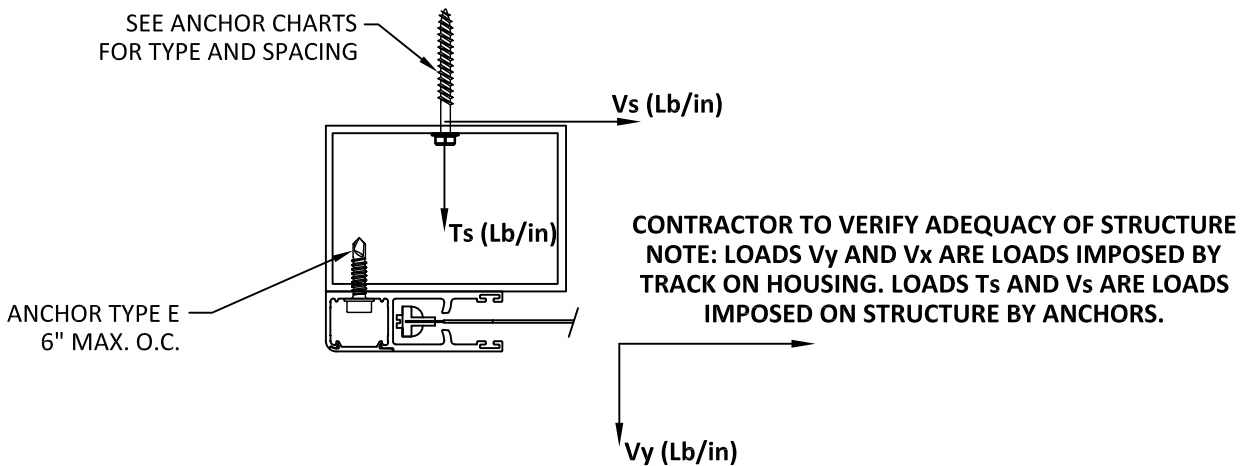


FL31165

DATE: 02.05.2020	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: ALU002	
SHEET: 8	OF 21

TABLE 3 - ANCHOR SPACING						ANCHOR TYPE & SPACING WALL - MOUNT 1						ANCHOR TYPE & SPACING 1X2, 2X2, 2X3, 2X4, 4X4 OR 6X6 BO - MOUNT 2					
FW	DP	VY	VX	Vs	Ts	A	B	C	D	E	F	A	B	C	D	E	F
144	35	17.5	62.8	167.8	62.8	6	6	6	6	6	6	6	6	6	6	6	6
	40	20.0	67.2	181.8	67.2	6	6	6	6	6	6	6	6	5	6	6	6
	45	22.5	71.0	194.7	71.0	6	6	6	6	6	6	6	6	4	6	6	6
	50	25.0	74.4	206.7	74.4	6	6	6	6	6	6	6	6	4	6	6	6
	55	27.5	77.5	217.8	77.5	6	6	6	6	6	6	6	6	4	6	6	5
	60	30.0	80.2	228.3	80.2	6	6	6	6	6	6	6	6	3	5	6	5
	65	32.5	82.7	238.2	82.7	6	6	6	6	6	6	6	6	3	5	6	5
	70	35.0	85.0	247.6	85.0	6	6	6	6	6	6	6	5	3	5	6	4
	75	37.5	87.0	256.6	87.0	6	6	6	6	6	6	6	5	3	4	6	4
	80	40.0	88.9	265.2	88.9	6	6	6	6	6	6	6	5	3	4	6	4
	85	42.5	90.6	273.5	90.6	6	6	6	6	6	6	6	4	-	4	6	4
	90	45.0	92.2	281.5	92.2	6	6	6	6	6	6	6	4	-	4	6	3
156	95	47.5	93.7	289.2	93.7	6	6	6	6	6	6	6	4	-	4	6	3
	100	50.0	95.0	296.7	95.0	6	6	6	6	6	6	6	4	-	3	6	3
	35	19.0	69.0	183.8	69.0	6	6	6	6	6	6	6	6	5	6	6	6
	40	21.7	73.5	198.6	73.5	6	6	6	6	6	6	6	6	4	6	6	6
	45	24.4	77.5	212.2	77.5	6	6	6	6	6	6	6	6	4	6	6	6
	50	27.1	81.0	224.8	81.0	6	6	6	6	6	6	6	6	3	6	6	5
	55	29.8	84.2	236.5	84.2	6	6	6	6	6	6	6	6	3	5	6	5
	60	32.5	87.0	247.4	87.0	6	6	6	6	6	6	6	5	3	5	6	4
	65	35.2	89.5	257.8	89.5	6	6	6	6	6	6	6	5	3	4	6	4
	70	37.9	91.8	267.7	91.8	6	6	6	6	6	6	6	5	3	4	6	4
	75	40.6	93.8	277.1	93.8	6	6	6	6	6	6	6	4	-	4	6	4
	80	43.3	95.7	286.1	95.7	6	6	6	6	6	6	6	4	-	4	6	3
168	85	46.0	97.5	294.7	97.5	6	6	6	6	6	6	6	4	-	3	5	3
	90	48.8	99.0	303.1	99.0	6	6	6	6	6	6	6	4	-	3	5	3
	95	51.5	100.5	311.2	100.5	6	6	6	6	6	6	6	4	-	3	5	3
	35	19.0	75.1	197.2	75.1	6	6	6	6	6	6	6	6	4	6	6	6
	40	21.7	79.9	212.4	79.9	6	6	6	6	6	6	6	6	4	6	6	6
	45	24.4	84.0	226.3	84.0	6	6	6	6	6	6	6	6	3	5	6	5
	50	27.1	87.6	239.1	87.6	6	6	6	6	6	6	6	6	3	5	6	5
	55	29.8	90.8	250.9	90.8	6	6	6	6	6	6	6	5	3	5	6	4
	60	32.5	93.7	262.0	93.7	6	6	6	6	6	6	6	5	3	4	6	4
	65	35.2	96.3	272.5	96.3	6	6	6	6	6	6	6	4	-	4	6	4
	70	37.9	98.6	282.4	98.6	6	6	6	6	6	6	6	4	-	4	6	3
	75	40.6	100.7	291.8	100.7	6	6	6	6	6	6	6	4	-	3	5	3
180	80	43.3	102.6	300.9	102.6	6	6	6	6	6	6	6	4	-	3	5	3
	85	46.0	104.3	309.6	104.3	6	6	6	6	6	6	6	4	-	3	5	3
	90	48.8	105.9	318.0	105.9	6	6	6	6	6	6	6	3	-	3	5	3
	35	23.3	84.4	225.3	84.4	6	6	6	6	6	6	6	6	4	6	6	5
	40	26.7	89.1	241.6	89.1	6	6	6	6	6	6	6	6	3	5	6	5
	45	30.0	93.2	256.4	93.2	6	6	6	6	6	6	6	5	3	5	6	4
	50	33.3	96.7	270.0	96.7	6	6	6	6	6	6	6	5	3	4	6	4
	55	36.7	99.8	282.7	99.8	6	6	6	6	6	6	6	4	-	4	6	4
	60	40.0	102.5	294.7	102.5	6	6	6	6	6	6	6	4	-	4	6	3
	65	43.3	104.9	305.9	104.9	6	6	6	6	6	6	6	4	-	3	5	3
	70	46.7	107.1	316.7	107.1	6	6	6	6	6	6	6	4	-	3	5	3
	75	50.0	109.0	326.9	109.0	6	6	6	6	6	6	6	3	-	3	5	3
	80	53.3	110.8	336.8	110.8	6	6	5	6	6	6	5	3	-	3	4	3

TABLE 3 - ANCHOR SPACING						ANCHOR TYPE & SPACING WALL - MOUNT 1						ANCHOR TYPE & SPACING 1X2, 2X2, 2X3, 2X4, 4X4 OR 6X6 BO - MOUNT 2					
FW	DP	VY	VX	Vs	Ts	A	B	C	D	E	F	A	B	C	D	E	F
192	35	23.3	84.4	225.3	84.4	6	6	6	6	6	6	6	6	3	5	6	5
	40	26.7	89.1	241.6	89.1	6	6	6	6	6	6	6	5	3	5	6	4
	45	30.0	93.2	256.4	93.2	6	6	6	6	6	6	6	5	3	4	6	4
	50	33.3	96.7	270.0	96.7	6	6	6	6	6	6	6	5	-	4	6	4
	55	36.7	99.8	282.7	99.8	6	6	6	6	6	6	6	4	-	4	6	3
	60	40.0	102.5	294.7	102.5	6	6	6	6	6	6	6	4	-	3	5	3
	65	43.3	104.9	305.9	104.9	6	6	6	6	6	6	6	4	-	3	5	3
	70	46.7	107.1	316.7	107.1	6	6	6	6	6	6	6	3	-	3	5	3
	75	50.0	109.0	326.9	109.0	6	6	5	6	6	6	6	5	3	-	3	5
80	53.3	110.8	336.8	110.8	6	6	5	6	6	6	6	5	3	-	3	4	-
216	35	26.3	73.1	206.0	73.1	6	6	6	6	6	6	6	6	4	6	6	6
	40	30.0	76.8	220.8	76.8	6	6	6	6	6	6	6	6	4	6	6	5
	45	33.8	79.9	234.4	79.9	6	6	6	6	6	6	6	6	3	5	6	5
	50	37.5	82.6	247.0	82.6	6	6	6	6	6	6	6	5	3	5	6	4
	55	41.3	84.9	258.8	84.9	6	6	6	6	6	6	6	5	3	4	6	4
	60	45.0	87.0	270.1	87.0	6	6	6	6	6	6	6	5	3	4	6	4
65	48.8	88.8	280.8	88.8	6	6	6	6	6	6	6	4	-	4	6	4	
240	35	29.2	68.7	201.7	68.7	6	6	6	6	6	6	6	6	4	6	6	6
	40	33.3	71.9	216.3	71.9	6	6	6	6	6	6	6	6	4	6	6	6
	45	37.5	74.7	229.9	74.7	6	6	6	6	6	6	6	6	4	5	6	5
	50	41.7	77.0	242.5	77.0	6	6	6	6	6	6	6	6	3	5	6	5
	55	45.8	79.1	254.5	79.1	6	6	6	6	6	6	6	5	3	5	6	4
264	35	32.1	67.1	203.7	67.1	6	6	6	6	6	6	6	6	4	6	6	6
	40	36.7	70.2	218.6	70.2	6	6	6	6	6	6	6	6	4	6	6	6
	45	41.3	72.7	232.5	72.7	6	6	6	6	6	6	6	6	4	5	6	5
288	36.5997	32.1	67.0	203.4	67.0	6	6	6	6	6	6	6	6	4	6	6	6



P.O. BOX 329
15 DIXON STREET
SELBYVILLE, DE 19975
PH: (302) 436-6005

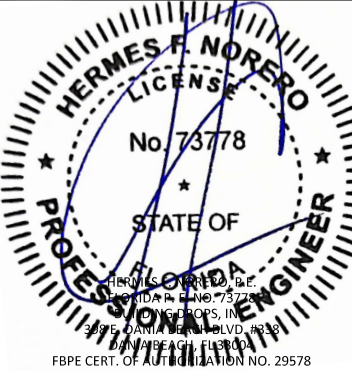
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
ANCHOR SCHEDULE SPACING

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



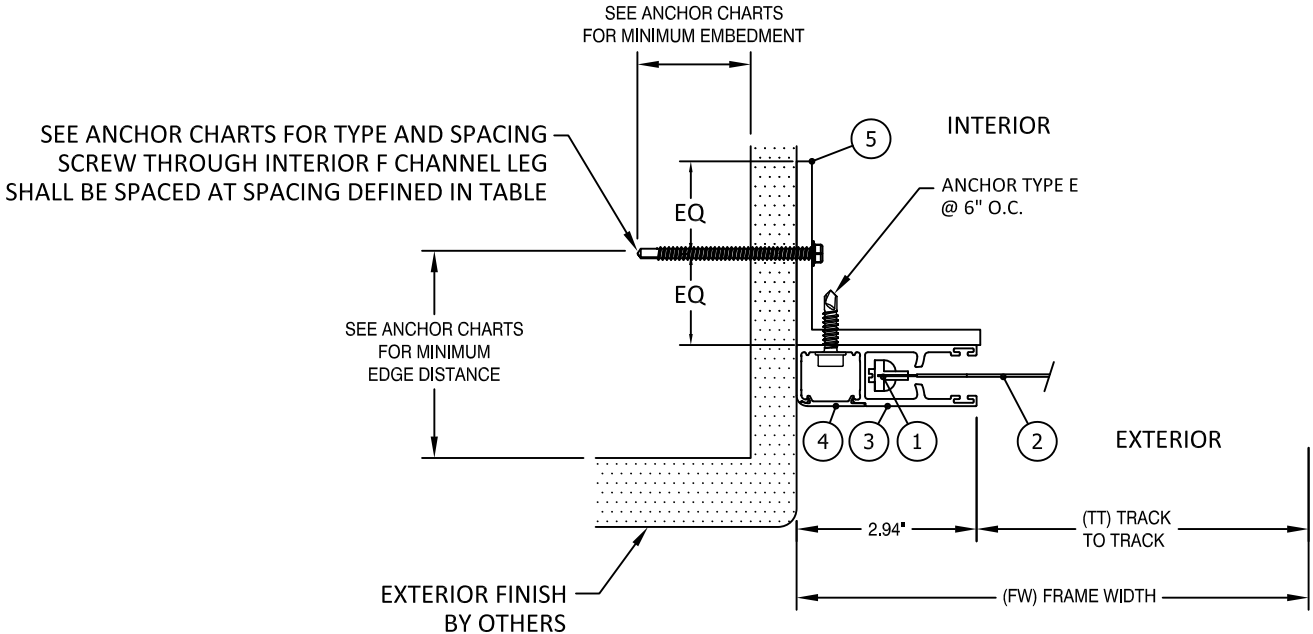
FL31165

DATE: 02.05.2020	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: ALU002	
SHEET:	OF 21

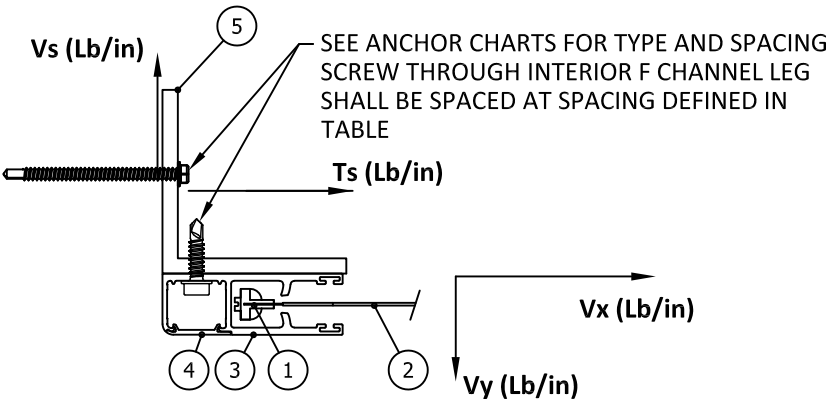
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TYPICAL HORIZONTAL SECTIONS
INSET MOUNT



A
10
HORIZONTAL SECTION
MOUNT TYPE 3
INSET MOUNT
*WITH END RETENTION



CONTRACTOR TO VERIFY ADEQUACY OF STRUCTURE
NOTE: LOADS V_y AND V_x ARE LOADS IMPOSED BY TRACK ON HOUSING. LOADS T_s AND V_s ARE LOADS IMPOSED ON STRUCTURE BY ANCHORS.

SEE SHEETS 11 & 12 FOR ANCHOR SPACING TABLES

ANCHOR	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
C	3/8" DEWALT/POWERS WEDGE BOLT	GROUT FILLED C-90 BLOCK, $f'm \geq 2000$ PSI	2"	2 1/2"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK, $f'm \geq 2000$ PSI	4"	2 1/4"
E	#14 DEWALT/ELCO DRIL-FLEX SELF-DRILLING SCREW	MIN. 1/4" 6063-T6 ALUM. MIN. 3/16" A36 STEEL	1/2" 3/8"	3 THREADS PENETRATION
F	5/16" DEWALT/ELCO ULTRA CON	WOOD, MIN. SG = 0.55	1 1/2"	2"

ALUTECH
UNITED, INC

P.O. BOX 329
15 DIXON STREET
SELBYVILLE, DE 19975
PH: (302) 436-6005

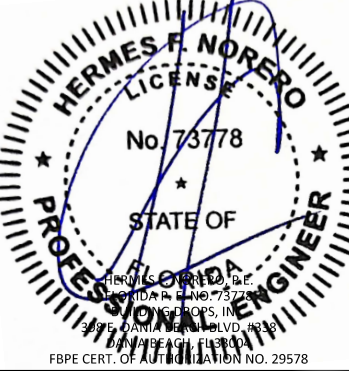
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
TYP. HORIZONTAL SECTION
- INSET MOUNT

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

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FL31165

DATE: 02.05.2020

DWG. BY: RV
CHK. BY: HFN

SCALE: NTS

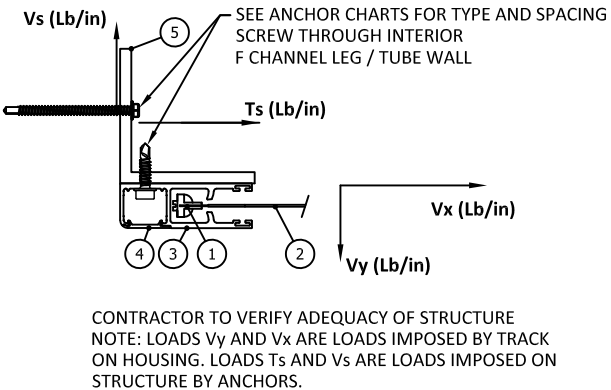
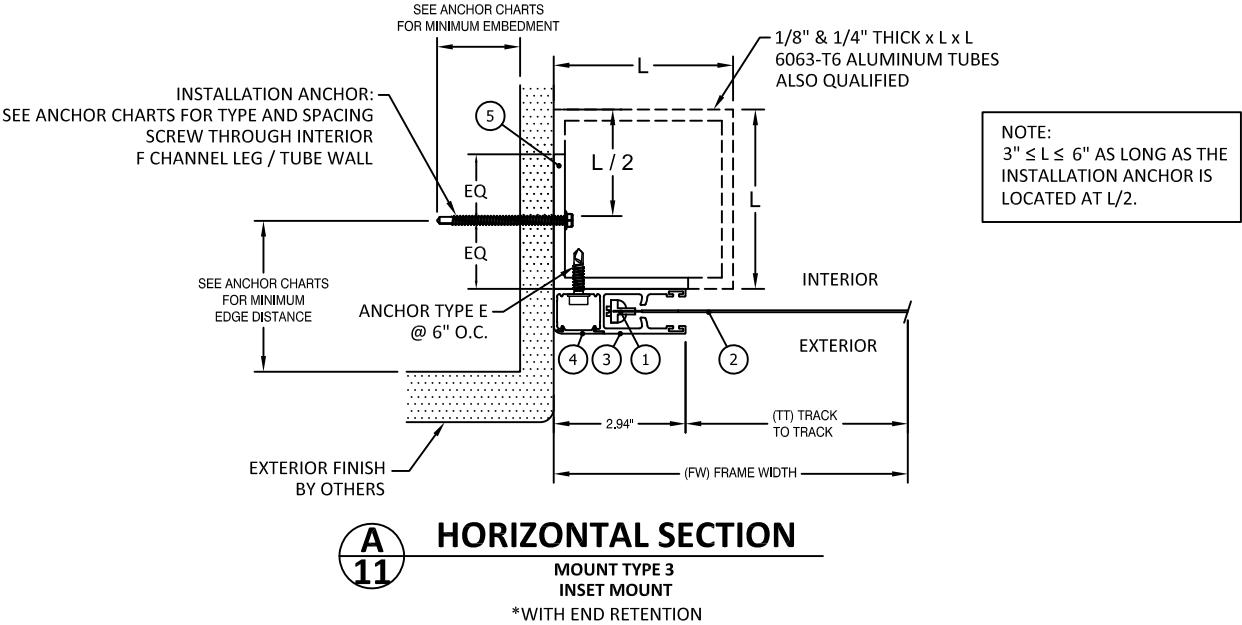
DWG. #: ALU002

SHEET: OF 21

10

TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING INSET - MOUNT 3 1/8" THICK ALUMINUM TUBES						ANCHOR TYPE & SPACING INSET - MOUNT 3 1/4" THICK ALUMINUM ANGLE AND TUBES					
FW	DP	VY	VX	Vs	Ts	A	B	C	D	E	F	A	B	C	D	E	F
96	35	11.7	38.3	38.3	104.2	6	6	6	6	6	6	6	6	6	6	6	6
	40	13.3	41.9	41.9	114.9	6	6	6	6	6	6	6	6	6	6	6	6
	45	15.0	45.1	45.1	124.9	6	6	6	6	6	6	6	6	6	6	6	6
	50	16.7	48.1	48.1	134.4	6	6	6	6	6	6	6	6	6	6	6	6
	55	18.3	50.8	50.8	143.3	6	6	6	6	6	6	6	6	6	6	6	6
	60	20.0	53.3	53.3	151.8	6	6	6	6	6	6	6	6	6	6	6	6
	65	21.7	55.7	55.7	159.9	6	6	6	6	6	6	6	6	6	6	6	6
	70	23.3	57.8	57.8	167.7	6	6	6	6	6	6	6	6	6	6	6	6
	75	25.0	59.9	59.9	175.1	6	6	6	6	6	6	6	6	6	6	6	6
	80	26.7	61.8	61.8	182.3	6	6	6	6	6	6	6	6	6	6	6	6
	85	28.3	63.6	63.6	189.1	6	6	6	6	6	6	6	6	6	6	6	6
	90	30.0	65.2	65.2	195.8	6	6	6	6	6	6	6	6	6	6	6	6
	95	31.7	66.8	66.8	202.2	6	6	6	6	6	6	6	6	6	6	6	6
	100	33.3	68.3	68.3	208.4	6	6	6	6	6	6	6	6	6	6	6	6
	105	35.0	69.7	69.7	214.5	6	6	5	6	6	6	6	6	6	6	6	6
	110	36.7	71.0	71.0	220.4	6	6	5	6	6	6	6	6	5	6	6	6
102	115	38.3	72.2	72.2	226.1	6	5	5	5	5	5	6	6	5	6	6	6
	120	40.0	73.4	73.4	231.7	5	5	5	5	5	5	6	6	5	6	6	6
	35	12.4	41.3	112.1	41.3	6	6	6	6	6	6	6	6	6	6	6	6
	40	14.2	45.0	123.2	45.0	6	6	6	6	6	6	6	6	6	6	6	6
	45	15.9	48.3	133.6	48.3	6	6	6	6	6	6	6	6	6	6	6	6
	50	17.7	51.3	143.4	51.3	6	6	6	6	6	6	6	6	6	6	6	6
	55	19.5	54.1	152.6	54.1	6	6	6	6	6	6	6	6	6	6	6	6
	60	21.3	56.7	161.4	56.7	6	6	6	6	6	6	6	6	6	6	6	6
	65	23.0	59.0	169.7	59.0	6	6	6	6	6	6	6	6	6	6	6	6
	70	24.8	61.2	177.6	61.2	6	6	6	6	6	6	6	6	6	6	6	6
	75	26.6	63.2	185.3	63.2	6	6	6	6	6	6	6	6	6	6	6	6
	80	28.3	65.1	192.6	65.1	6	6	6	6	6	6	6	6	6	6	6	6
	85	30.1	66.9	199.6	66.9	6	6	6	6	6	6	6	6	6	6	6	6
	90	31.9	68.5	206.4	68.5	6	6	6	6	6	6	6	6	6	6	6	6
	95	33.6	70.1	212.9	70.1	6	6	5	6	6	6	6	6	6	6	6	6
	100	35.4	71.5	219.3	71.5	6	6	5	6	6	6	6	6	5	6	6	6
108	105	37.2	72.9	225.5	72.9	6	5	5	5	5	5	6	6	5	6	6	6
	110	39.0	74.2	231.5	74.2	5	5	5	5	5	5	6	6	5	6	6	6
	115	40.7	75.4	237.3	75.4	5	5	4	5	5	5	6	6	5	6	6	6
	35	13.1	44.4	120.0	44.4	6	6	6	6	6	6	6	6	6	6	6	6
	40	15.0	48.1	131.6	48.1	6	6	6	6	6	6	6	6	6	6	6	6
	45	16.9	51.6	142.3	51.6	6	6	6	6	6	6	6	6	6	6	6	6
	50	18.8	54.6	152.4	54.6	6	6	6	6	6	6	6	6	6	6	6	6
	55	20.6	57.5	161.9	57.5	6	6	6	6	6	6	6	6	6	6	6	6
	60	22.5	60.0	170.9	60.0	6	6	6	6	6	6	6	6	6	6	6	6
	65	24.4	62.4	179.5	62.4	6	6	6	6	6	6	6	6	6	6	6	6
	70	26.3	64.6	187.6	64.6	6	6	6	6	6	6	6	6	6	6	6	6
	75	28.1	66.6	195.4	66.6	6	6	6	6	6	6	6	6	6	6	6	6
	80	30.0	68.5	202.9	68.5	6	6	6	6	6	6	6	6	6	6	6	6
	85	31.9	70.3	210.1	70.3	6	6	6	6	6	6	6	6	6	6	6	6
	90	33.8	71.9	217.0	71.9	6	6	5	6	6	6	6	6	5	6	6	6
	95	35.6	73.4	223.7	73.4	6	6	5	5	5	5	6	6	5	6	6	6
114	100	37.5	74.8	230.2	74.8	5	5	5	5	5	5	6	6	5	6	6	6
	105	39.4	76.2	236.5	76.2	5	5	4	5	5	5	6	6	5	6	6	6
	110	41.3	77.4	242.7	77.4	5	5	4	5	5	5	6	6	4	6	6	6
	115	43.1	78.6	248.6	78.6	5	5	4	5	5	4	6	6	4	6	6	5
	35	13.9	47.4	127.9	47.4	6	6	6	6	6	6	6	6	6	6	6	6
	40	15.8	51.3	139.9	51.3	6	6	6	6	6	6	6	6	6	6	6	6
	45	17.8	54.8	151.1	54.8	6	6	6	6	6	6	6	6	6	6	6	6
	50	19.8	57.9	161.5	57.9	6	6	6	6	6	6	6	6	6	6	6	6
	55	21.8	60.8	171.3	60.8	6	6	6	6	6	6	6	6	6	6	6	6
	60	23.8	63.4	180.5	63.4	6	6	6	6	6	6	6	6	6	6	6	6
	65	25.7	65.8	189.3	65.8	6	6	6	6	6	6	6	6	6	6	6	6
	70	27.7	68.0	197.6	68.0	6	6	6	6	6	6	6	6	6	6	6	6
	75	29.7	70.0	205.6	70.0	6	6	6	6	6	6	6	6	6	6	6	6
	80	31.7	71.9	213.2	71.9	6	6	5	6	6	6	6	6	6	6	6	6
	85	33.6	73.6	220.6	73.6	6	6	5	6	6	6	6	6	5	6	6	6
	90	35.6	75.2	227.7	75.2	5	5	5	5	5	5	6	6	5	6	6	6
	95	37.6	76.7	234.6	76.7	5	5	5	5	5	5	6	6	5	6	6	6
	100	39.6	78.2	241.2	78.2	5	5	4	5	5	5	6	6	4	6	6	6
	105	41.6	79.5	247.7	79.5	5	5	4	5	5	4	6	6	4	6	6	5
	110	43.5	80.7	253.9	80.7	4	4	4	4	4	4	6	6	4	6	6	5

TYPICAL HORIZONTAL
SECTIONS
INSET MOUNT



P.O. BOX 329
15 DIXON STREET
SELBYVILLE, DE 19975
PH: (302) 436-6005

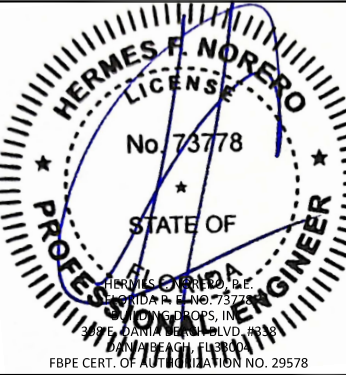
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
TYP. HORIZONTAL SECTION - INSET
MOUNT ANCHOR SPACING TABLE

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

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FL31165

DATE: 02.05.2020

DWG. BY: RV
CHK. BY: HFN

SCALE: NTS

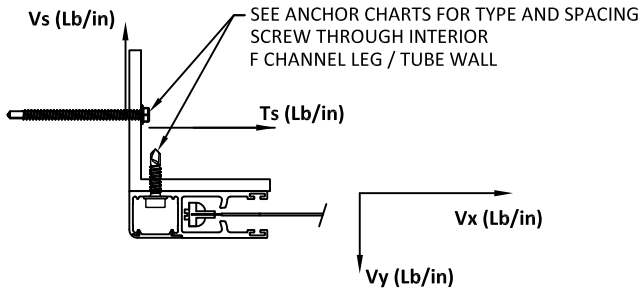
DWG. #: ALU002

SHEET: OF 21

11

[illegible]

TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING INSET - MOUNT 3 1/8" THICK ALUMINUM TUBES						ANCHOR TYPE & SPACING INSET - MOUNT 3 1/4" THICK ALUMINUM ANGLE AND TUBES					
FW	DP	VY	VX	Vs	Ts	A	B	C	D	E	F	A	B	C	D	E	F
168	35	19.0	75.1	197.2	75.1	6	6	6	6	6	6	6	6	6	6	6	6
	40	21.7	79.9	212.4	79.9	6	6	5	6	6	6	6	6	6	6	6	6
	45	24.4	84.0	226.3	84.0	5	5	5	5	5	5	6	6	5	6	6	6
	50	27.1	87.6	239.1	87.6	5	5	4	5	5	5	6	6	4	6	6	6
	55	29.8	90.8	250.9	90.8	4	4	4	4	4	4	6	6	4	5	6	5
	60	32.5	93.7	262.0	93.7	4	4	4	4	4	4	6	5	4	5	6	5
	65	35.2	96.3	272.5	96.3	4	4	3	4	4	4	6	5	3	5	6	4
	70	37.9	98.6	282.4	98.6	3	3	3	3	3	3	6	5	3	4	6	4
	75	40.6	100.7	291.8	100.7	3	3	3	3	3	3	6	4	3	4	6	4
	80	43.3	102.6	300.9	102.6	3	3	3	3	3	3	6	4	3	4	6	4
180	85	46.0	104.3	309.6	104.3	3	3	3	3	3	3	6	4	3	4	6	3
	90	48.8	105.9	318.0	105.9	3	3	-	3	3	3	6	4	3	4	6	3
	35	23.3	84.4	225.3	84.4	6	6	5	6	6	6	6	6	6	6	6	6
	40	26.7	89.1	241.6	89.1	5	5	5	5	5	5	6	6	5	6	6	6
	45	30.0	93.2	256.4	93.2	4	4	4	4	4	4	6	6	4	6	6	5
	50	33.3	96.7	270.0	96.7	4	4	4	4	4	4	6	6	4	5	6	5
	55	36.7	99.8	282.7	99.8	4	4	3	4	4	4	6	5	4	5	6	4
	60	40.0	102.5	294.7	102.5	3	3	3	3	3	3	6	5	3	4	6	4
	65	43.3	104.9	305.9	104.9	3	3	3	3	3	3	6	4	3	4	6	4
	70	46.7	107.1	316.7	107.1	3	3	3	3	3	3	6	4	3	4	6	4
192	75	50.0	109.0	326.9	109.0	3	3	3	3	3	3	6	4	3	4	6	3
	80	53.3	110.8	336.8	110.8	3	3	-	3	3	3	6	4	3	3	6	3
	35	23.3	84.4	225.3	84.4	5	5	5	5	5	5	6	6	5	6	6	6
	40	26.7	89.1	241.6	89.1	5	5	4	5	5	5	6	6	5	6	6	6
	45	30.0	93.2	256.4	93.2	4	4	4	4	4	4	6	6	4	5	6	5
	50	33.3	96.7	270.0	96.7	4	4	4	4	4	4	6	5	4	5	6	5
	55	36.7	99.8	282.7	99.8	4	3	3	3	3	3	6	5	3	4	6	4
	60	40.0	102.5	294.7	102.5	3	3	3	3	3	3	6	5	3	4	6	4
	65	43.3	104.9	305.9	104.9	3	3	3	3	3	3	6	4	3	4	6	4
	70	46.7	107.1	316.7	107.1	3	3	3	3	3	3	6	4	3	4	6	3
216	75	50.0	109.0	326.9	109.0	3	3	-	3	3	3	6	4	3	3	6	3
	80	53.3	110.8	336.8	110.8	3	3	-	-	-	-	6	4	-	3	6	3
	35	26.3	73.1	206.0	73.1	6	6	6	6	6	6	6	6	6	6	6	6
	40	30.0	76.8	220.8	76.8	6	6	5	5	5	5	6	6	5	6	6	6
	45	33.8	79.9	234.4	79.9	5	5	5	5	5	5	6	6	5	6	6	6
	50	37.5	82.6	247.0	82.6	5	5	4	4	4	4	6	6	4	6	6	5
	55	41.3	84.9	258.8	84.9	4	4	4	4	4	4	6	6	4	5	6	5
240	60	45.0	87.0	270.1	87.0	4	4	3	4	4	4	6	5	4	5	6	5
	65	48.8	88.8	280.8	88.8	4	4	3	4	4	4	6	5	3	5	6	4
	35	29.2	68.7	201.7	68.7	6	6	6	6	6	6	6	6	6	6	6	6
	40	33.3	71.9	216.3	71.9	6	6	6	6	6	6	6	6	6	6	6	6
	45	37.5	74.7	229.9	74.7	6	6	5	5	5	5	6	6	5	6	6	6
264	50	41.7	77.0	242.5	77.0	5	5	5	5	5	5	6	6	5	6	6	6
	55	45.8	79.1	254.5	79.1	5	5	4	5	5	5	6	6	4	6	6	5
	35	32.1	67.1	203.7	67.1	6	6	6	6	6	6	6	6	6	6	6	6
288	40	36.7	70.2	218.6	70.2	6	6	6	6	6	6	6	6	6	6	6	6
	45	41.3	72.7	232.5	72.7	6	6	5	6	6	6	6	6	5	6	6	6
288	36.5997	32.1	67.0	203.4	67.0	6	6	6	6	6	6	6	6	6	6	6	6



CONTRACTOR TO VERIFY ADEQUACY OF STRUCTURE
NOTE: LOADS V_y AND V_x ARE LOADS IMPOSED BY TRACK
ON HOUSING. LOADS T_s AND V_s ARE LOADS IMPOSED ON
STRUCTURE BY ANCHORS.

P.O. BOX 329
15 DIXON STREET
SELBYVILLE, DE 19975
PH: (302) 436-6005

TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)

ANCHOR SCHEDULE - INSET MOUNT

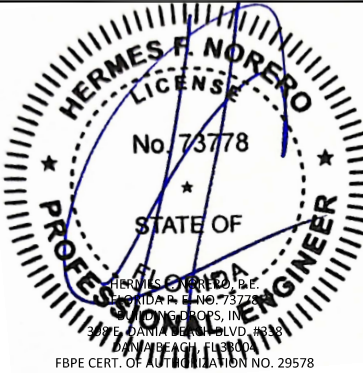


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BUILDING DROPS

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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL31165

DATE: 02.05.2020

DWG. BY:
RV

CHK. BY:
HFN

SCALE: **NTS**

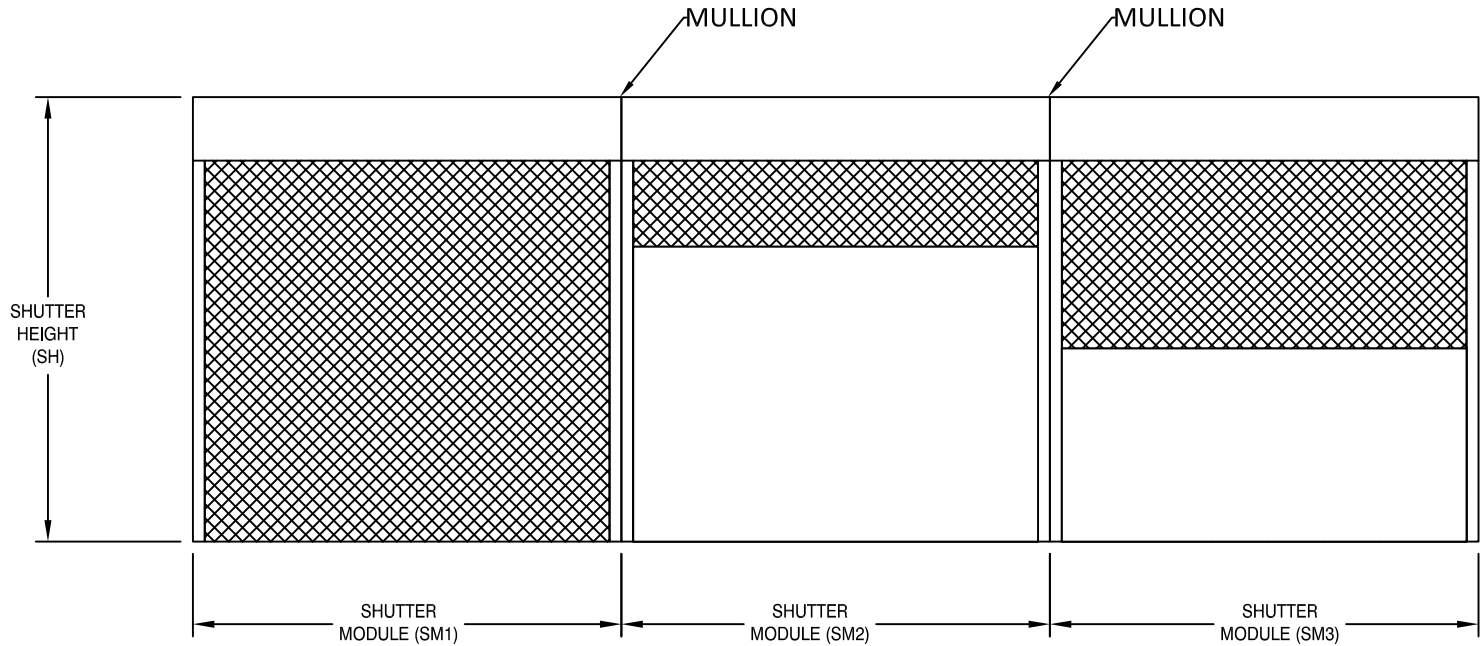
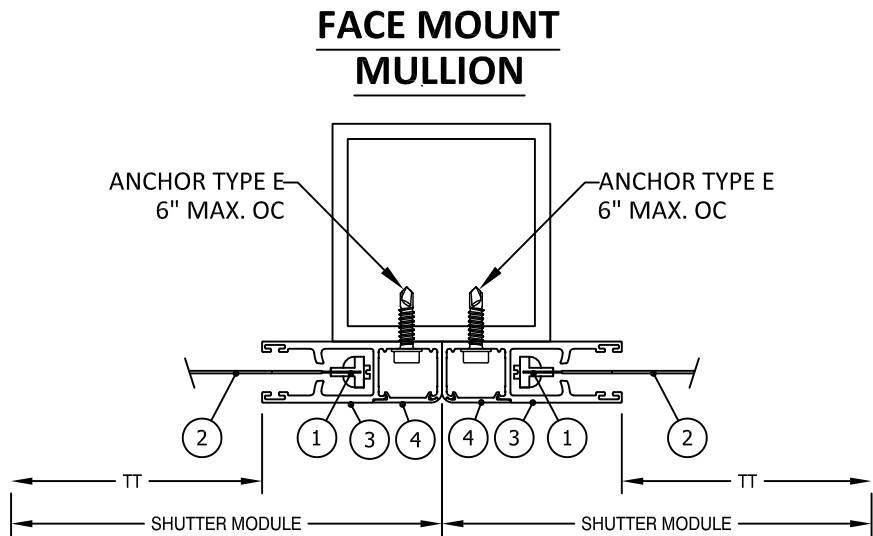
DWG. #:

ALU002

SHEET: OF 21

12

EQUALLY SPACED MULLIONS SELECTION



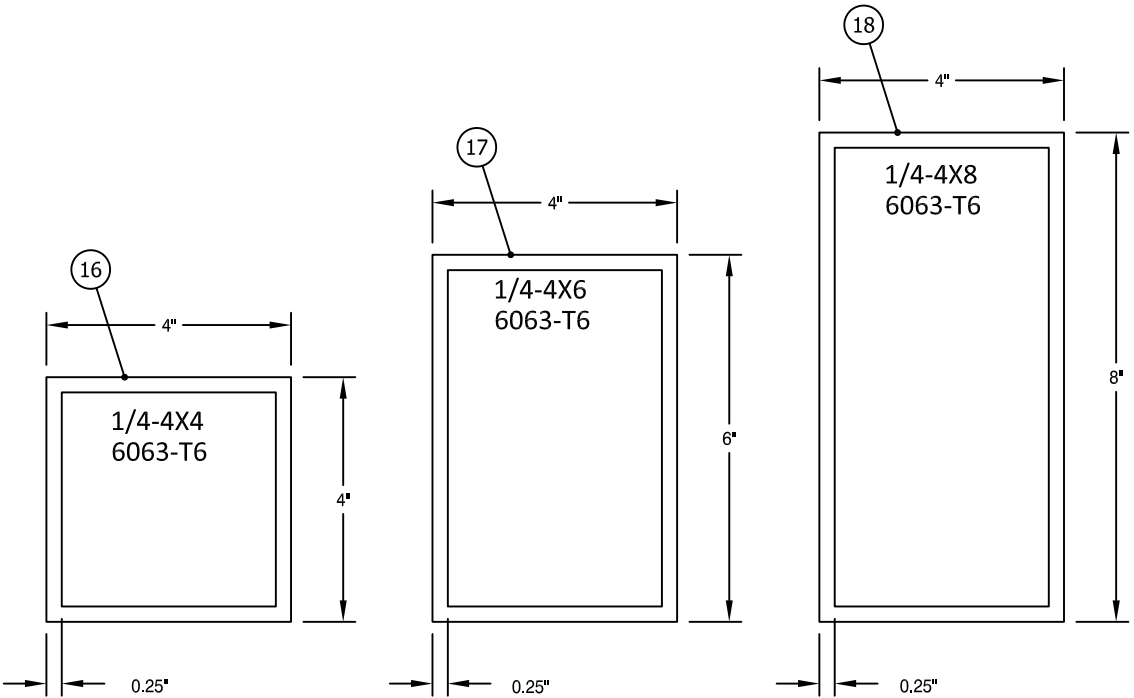
SM1 = SM2 = SM3

MAXIMUM MULLION DESIGN PRESSURE (PSF)

FW Max.	1/4-4x8 MULLION SPAN			1/4-4x6 MULLION SPAN			1/4-4x4 MULLION SPAN		
	144	120	96	144	120	96	144	120	96
288	34	34	34	N/A	29	34	N/A	N/A	21
264	37	46	46	N/A	31	46	N/A	N/A	23
240	41	57	57	20	35	57	N/A	N/A	25
216	45	66	68	22	39	68	N/A	N/A	28
192	51	75	79	25	43	77	N/A	N/A	32
180	54	80	84	27	46	82	N/A	N/A	34
168	58	85	89	29	50	88	N/A	N/A	36
156	63	92	94	31	54	94	N/A	20	39
144	68	99	99	33	58	99	N/A	22	42
132	74	104	104	36	63	104	N/A	24	46
120	82	109	109	40	70	109	N/A	26	51
114	86	112	112	42	73	112	N/A	27	54
108	91	114	114	45	78	114	N/A	29	57
102	97	117	117	47	82	117	N/A	31	60
96	103	119	119	50	87	119	N/A	33	64

NOTES:

- MULLIONS WERE DESIGNED BY RATIONAL ANALYSIS BASED ON THE ALUMINUM DESIGN MANUAL AND THE FLORIDA BUILDING CODE. ABOVE LOADS ARE ALSO LIMITED BY THE MAX. CAPACITY OF THE PRODUCT.
- DEFLECTION CRITERIA: MAX. SPAN/180
- VALUES ABOVE ARE APPLICABLE ONLY FOR EQUAL MODULES SM1=SM2=SM3
- UNEQUAL MODULES ARE TO BE DESIGNED BY RATIONAL ANALYSIS IN A CASE BY CASE BASIS.



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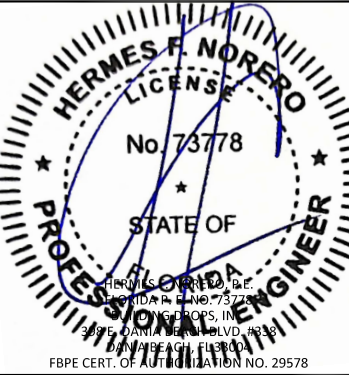
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
EQUALLY SPACED MULLIONS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

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DATE:	02.05.2020
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALU002
SHEET:	OF 21

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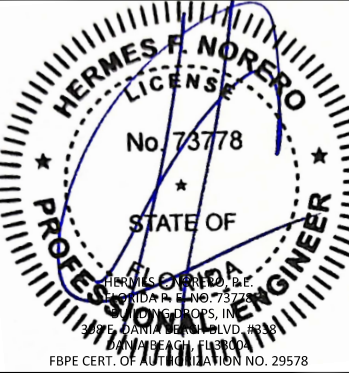
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
EQUALLY SPACED MULLION
ANCHORS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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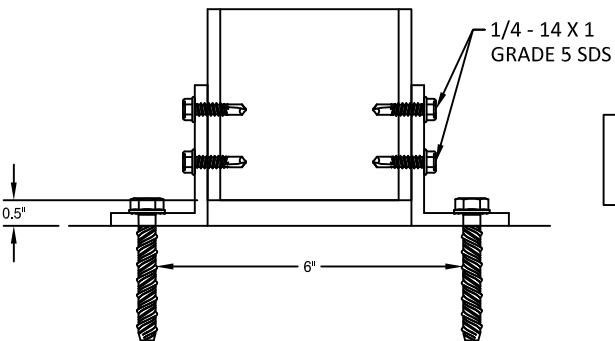
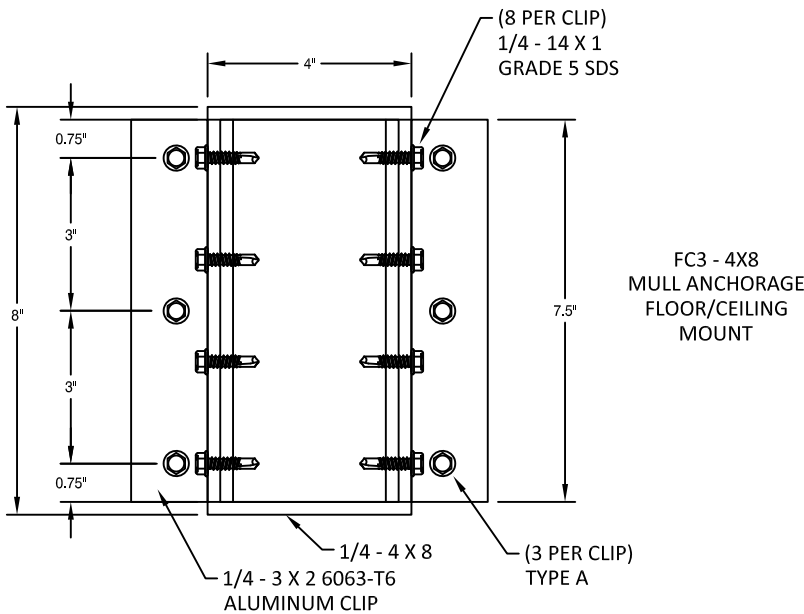
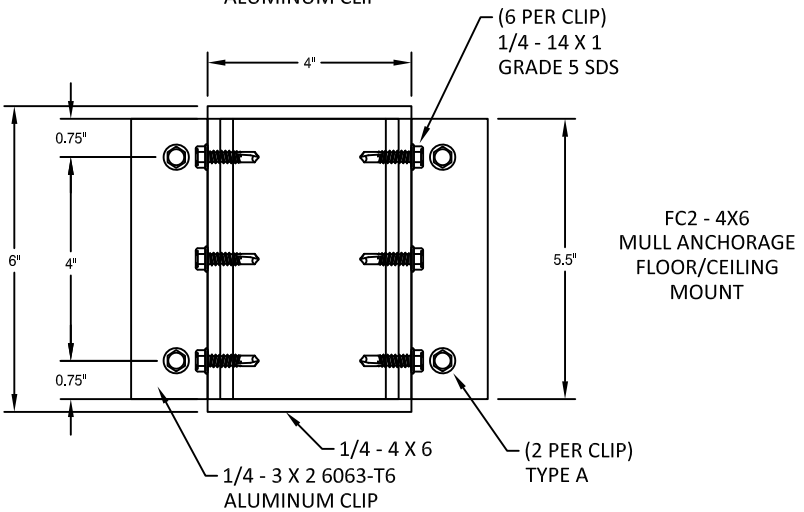
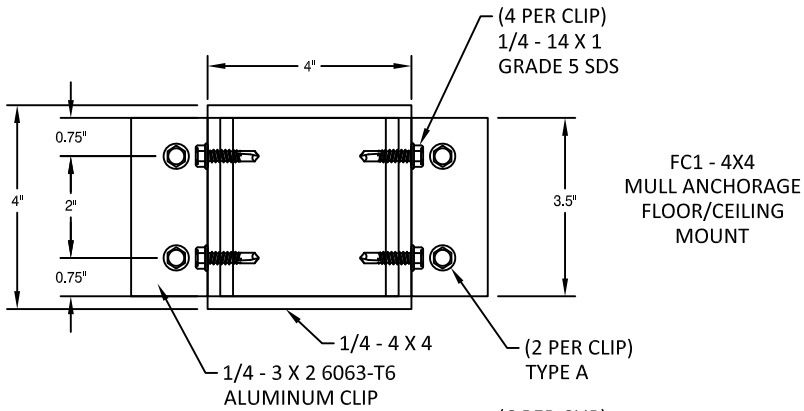


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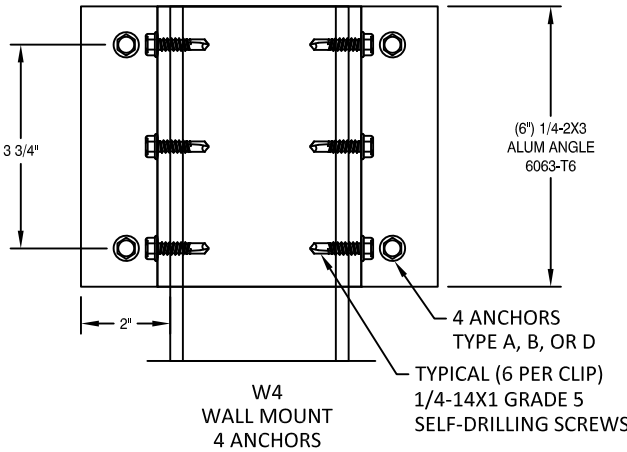
DATE:	02.05.2020
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALU002
SHEET:	OF 21

14

EQUALLY SPACED MULLIONS WALL AND INSET CONNECTIONS



NOTE: ANGLE CLIP TO
BE PLACED OUTSIDE OR
INSIDE TUBE

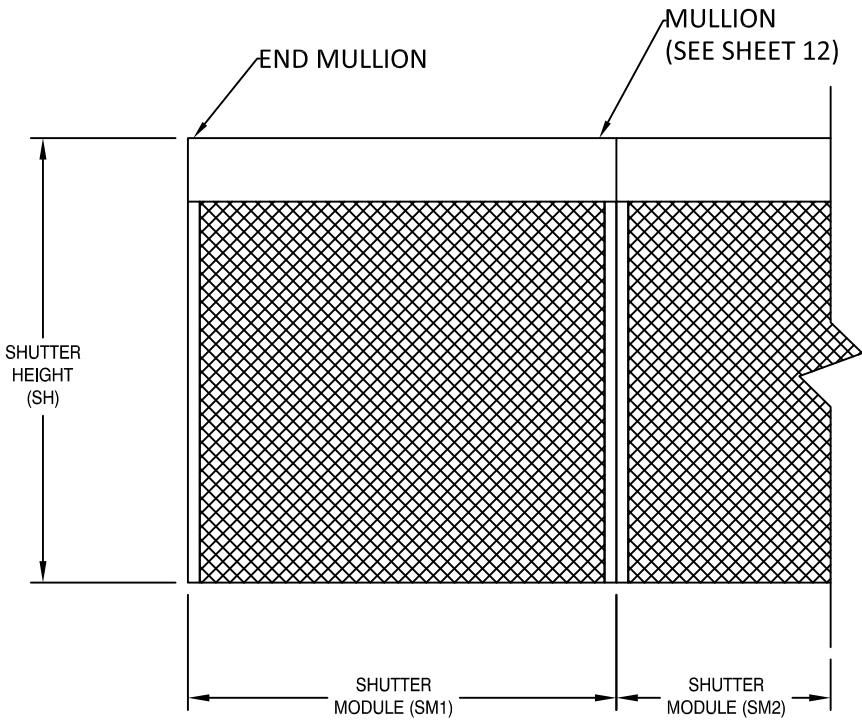
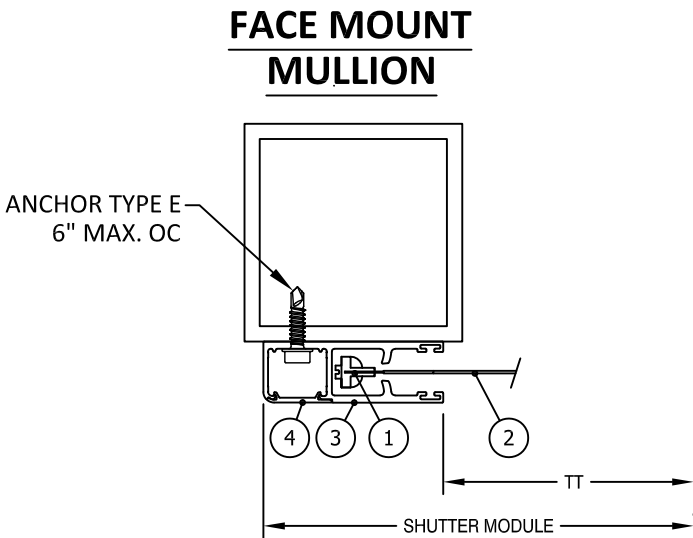


ANCHOR TYPE	WALL MOUNT ANCHOR SELECTION		
	MULLION TYPE		
A	4X4	4X6	4X8
B	W4	W4	W4
D	W4	N/A	N/A

ANCHOR TYPE	FLOOR/CEILING MOUNT ANCHOR SELECTION		
	MULLION TYPE		
A	4X4	4X6	4X8
FC1	FC1	FC2	FC3

ANCHOR	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK, f'm ≥ 2000 PSI	4"	2 1/4"

END MULLION SELECTION

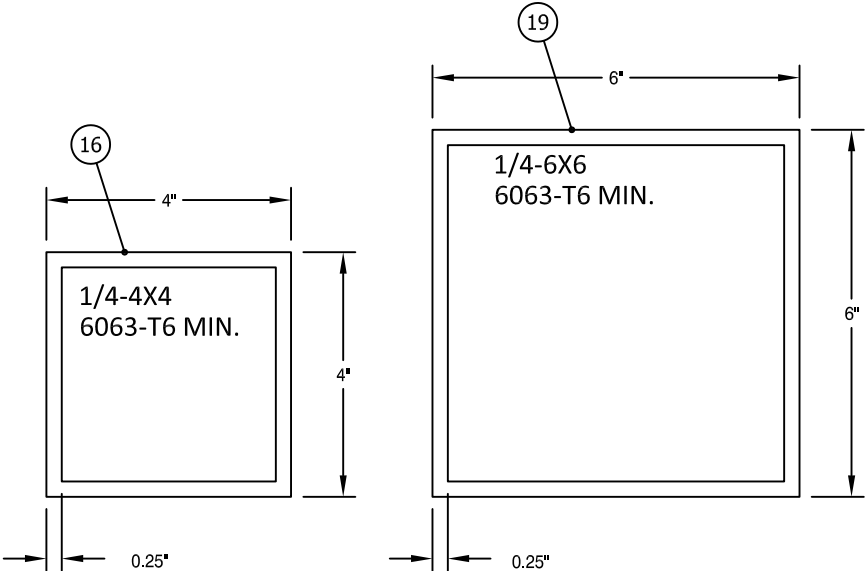


SM1 = SM2

MAXIMUM END MULLION SPANS AND DESIGN PRESSURES

FW MAX (in)	ALLOWABLE DP (PSF)	ALLOWABLE MULLION SPANS (FT)	
		4" x 4" X 0.25" 6063-T6 MIN.	6" x 6" X 0.25" 6063-T6 MIN.
96	120	12.00	12.00
102	117	12.00	12.00
108	115	12.00	12.00
114	112	12.00	12.00
120	110	12.00	12.00
132	105	12.00	12.00
144	100	12.00	12.00
156	95	12.00	12.00
168	90	12.00	12.00
180	85	12.00	12.00
192	80	12.00	12.00
216	69	12.00	12.00
240	57	12.00	12.00
264	46	12.00	12.00
288	35	12.00	12.00

- NOTES:
- MULLIONS WERE DESIGNED BY RATIONAL ANALYSIS BASED ON THE ALUMINUM DESIGN MANUAL AND THE FLORIDA BUILDING CODE. ABOVE LOADS ARE ALSO LIMITED BY THE MAX. CAPACITY OF THE PRODUCT.
 - VALUES ABOVE ARE APPLICABLE FOR END MULLIONS ONLY



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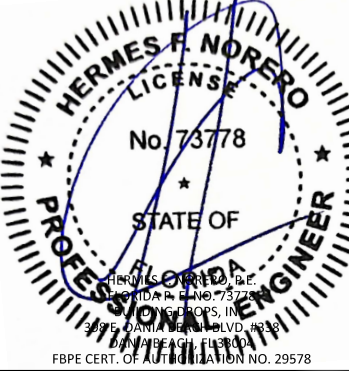
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
END MULLION

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

PREPARED BY:
BD
BUILDING DROPS

REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

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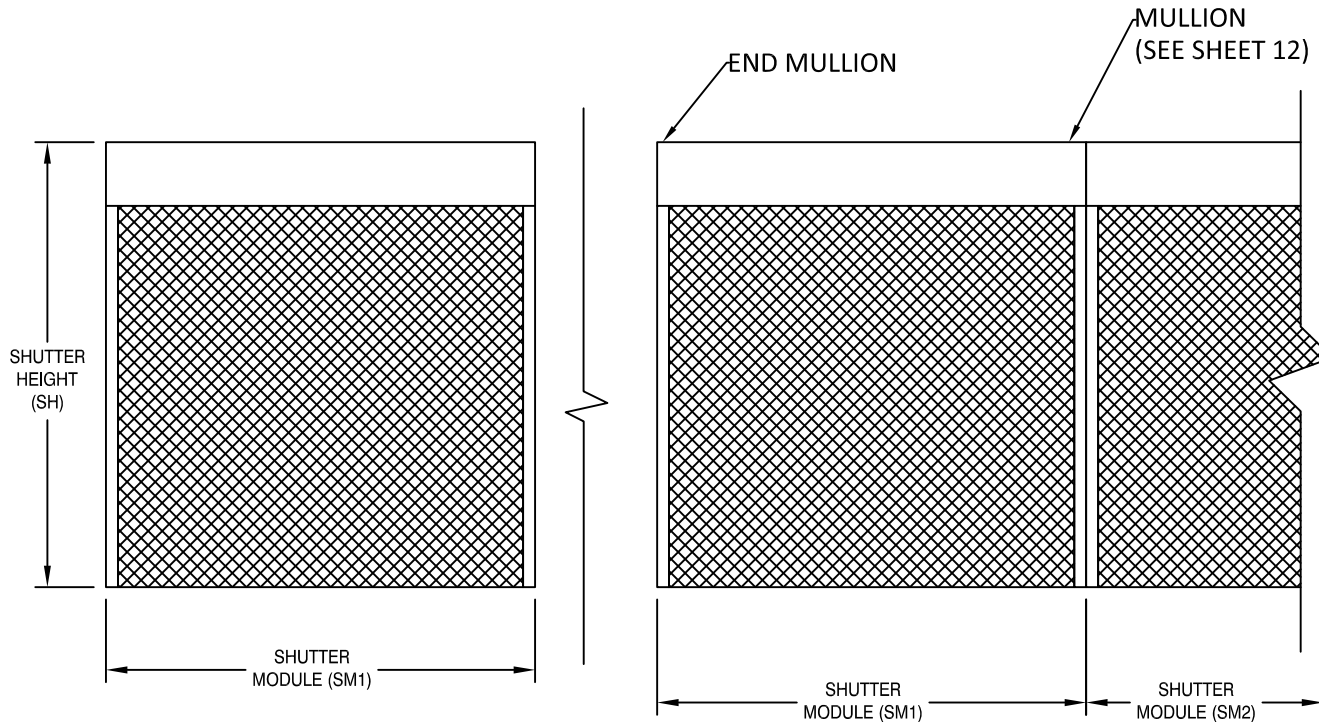
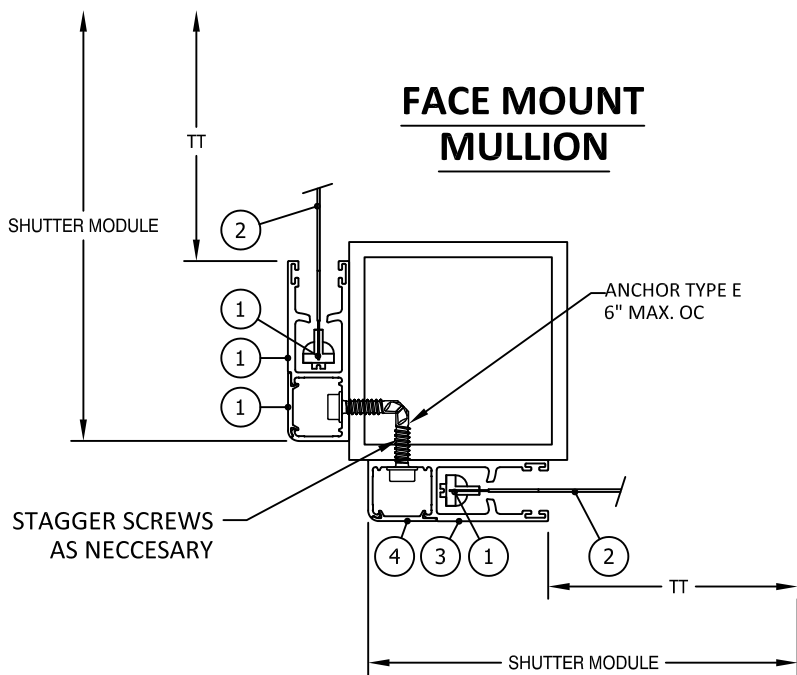


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DATE:	02.05.2020
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALU002
SHEET:	OF 21

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CORNER MULLION SELECTION



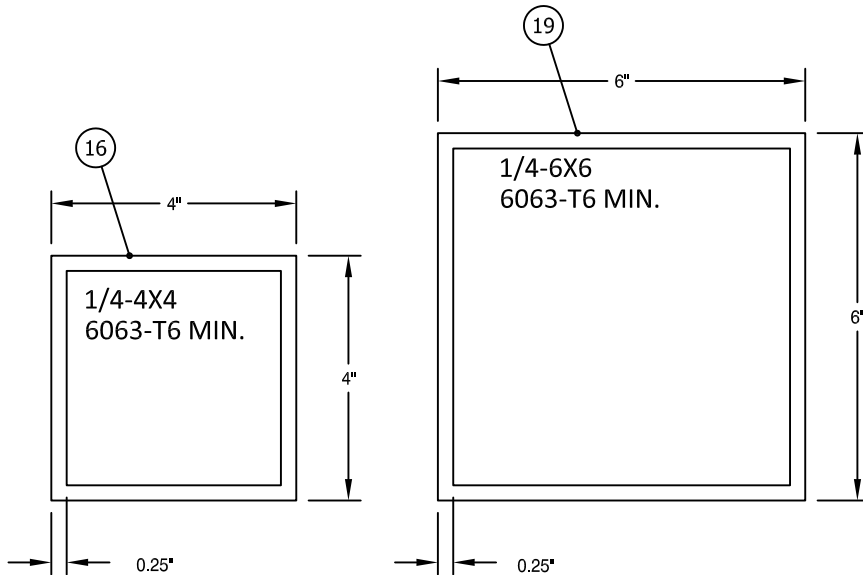
SM1 = SM2 = SM3

MAXIMUM CORNER MULLION SPANS AND DESIGN PRESSURES

FW MAX (in)	ALLOWABLE DP (PSF)	ALLOWABLE MULLION SPANS (FT)	
		4" x 4" X 0.25" 6063-T6 MIN.	6" x 6" X 0.25" 6063-T6 MIN.
96	119.9968	12.00	12.00
102	117.4966	12.00	12.00
108	114.9964	12.00	12.00
114	112.4962	12.00	12.00
120	109.996	12.00	12.00
132	104.9956	12.00	12.00
144	99.9952	12.00	12.00
156	94.9948	12.00	12.00
168	89.9944	11.86	12.00
180	84.994	11.65	12.00
192	79.9904	11.66	12.00
216	68.7392	12.00	12.00
240	57.488	12.00	12.00
264	46.2368	12.00	12.00
288	34.9856	12.00	12.00

NOTES:

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UNITED, INC

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TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)

CORNER MULLION

BUILDING DROPS, INC.

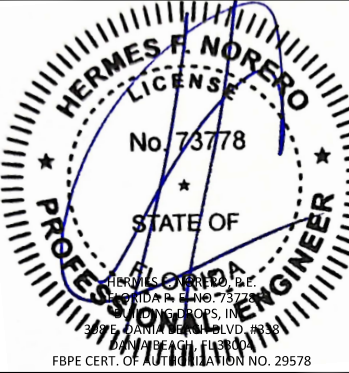
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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PREPARED BY:



REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

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FL31165

DATE: 02.05.2020

DWG. BY: RV
CHK. BY: HFN

SCALE: NTS

DWG. #: ALU002

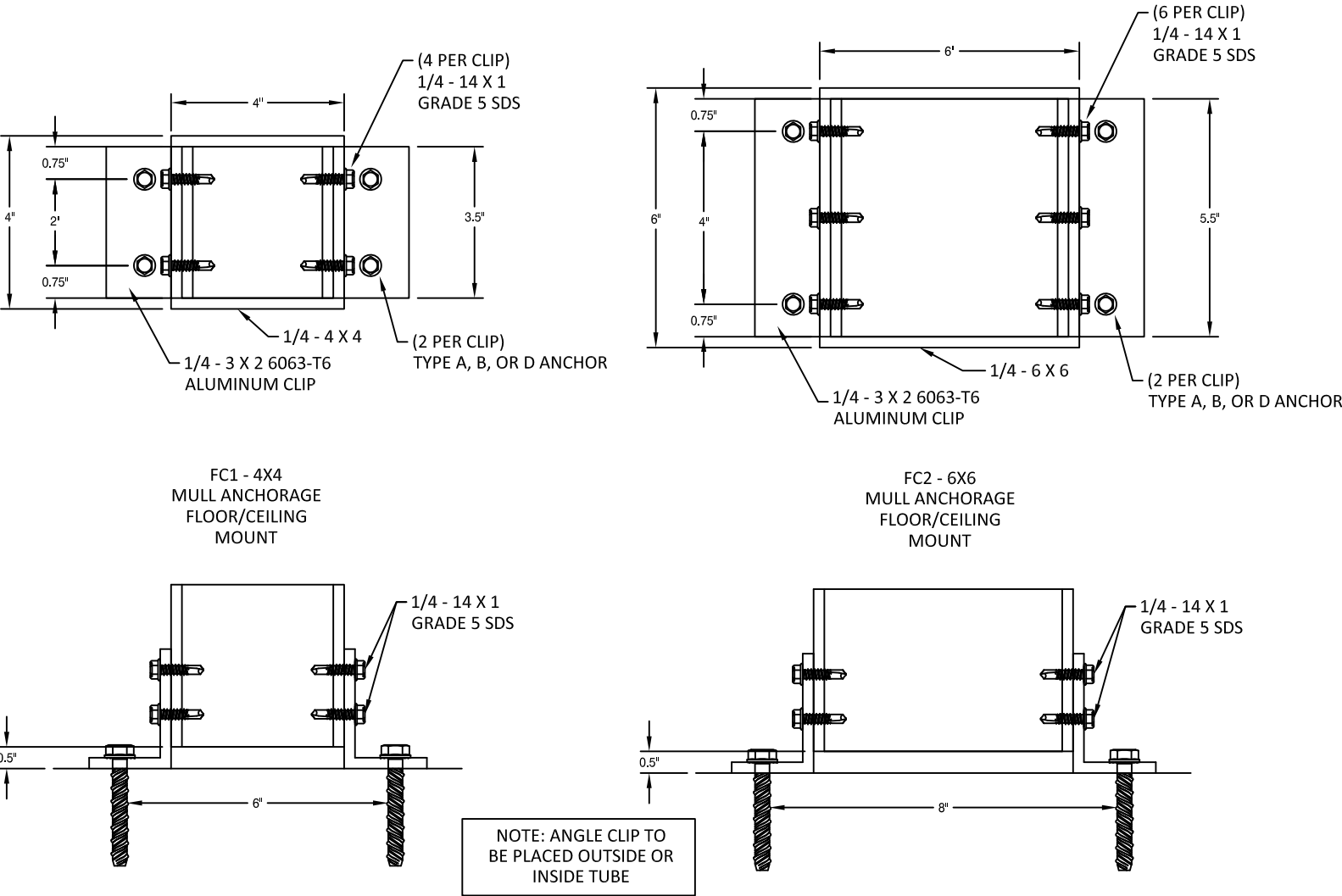
SHEET: OF 21

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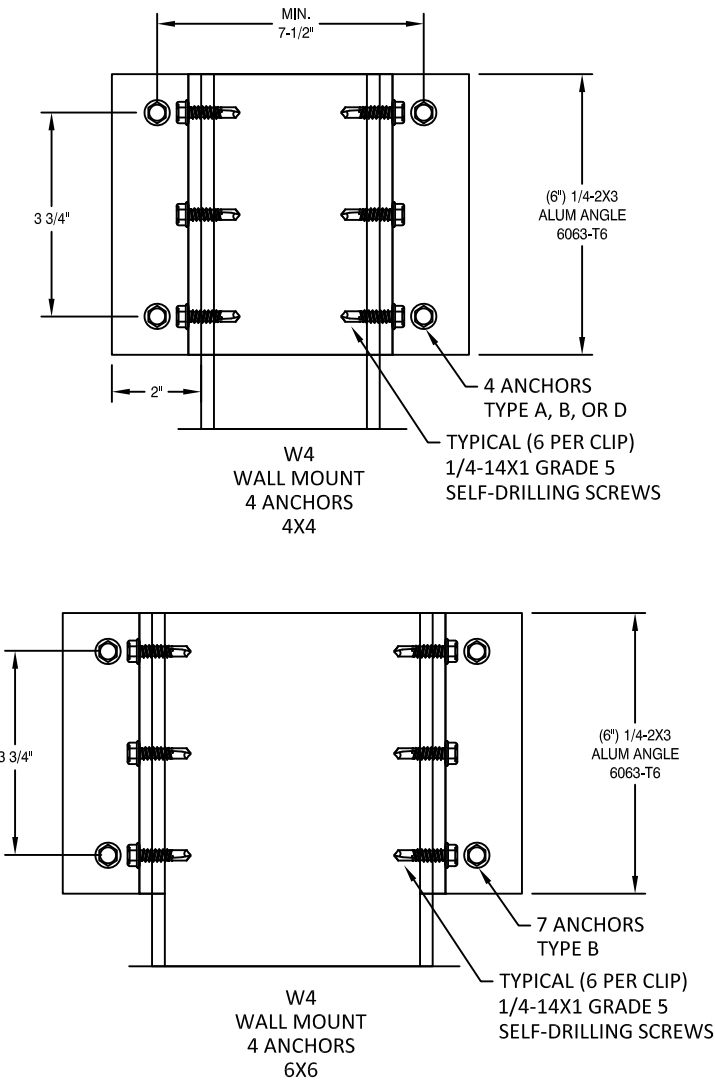
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END MULLION AND CORNER MULLION WALL AND INSET CONNECTIONS



MULL FLOOR/CEILING MOUNT ANCHOR SELECTION				
ANCHOR TYPE	END MULLION TYPE		CORNER MULLION TYPE	
	4X4	6X6	4X4	6X6
A	FC1	FC2	FC1	FC2
B	FC1	FC2	FC1	FC2
D	FC1	FC2	FC1	FC2

END MULLION WALL CONNECTIONS



WALL MOUNT ANCHOR SELECTION		
ANCHOR TYPE	END MULLION TYPE	
	4X4	6X6
A	W4	W4
B	W4	W4
D	W4	W4

ANCHOR	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK, f'm ≥ 2000 PSI	4"	2 1/4"



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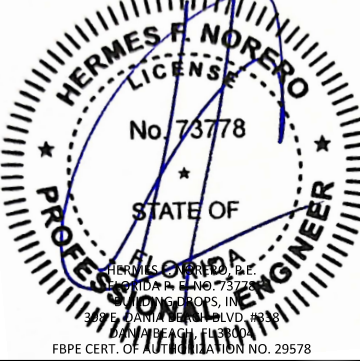
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
END MULLION / CORNER MULLION
CONNECTIONS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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WEB: www.buildingdrops.com



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2023 FBC CODE CHANGE	MS	9/5/23

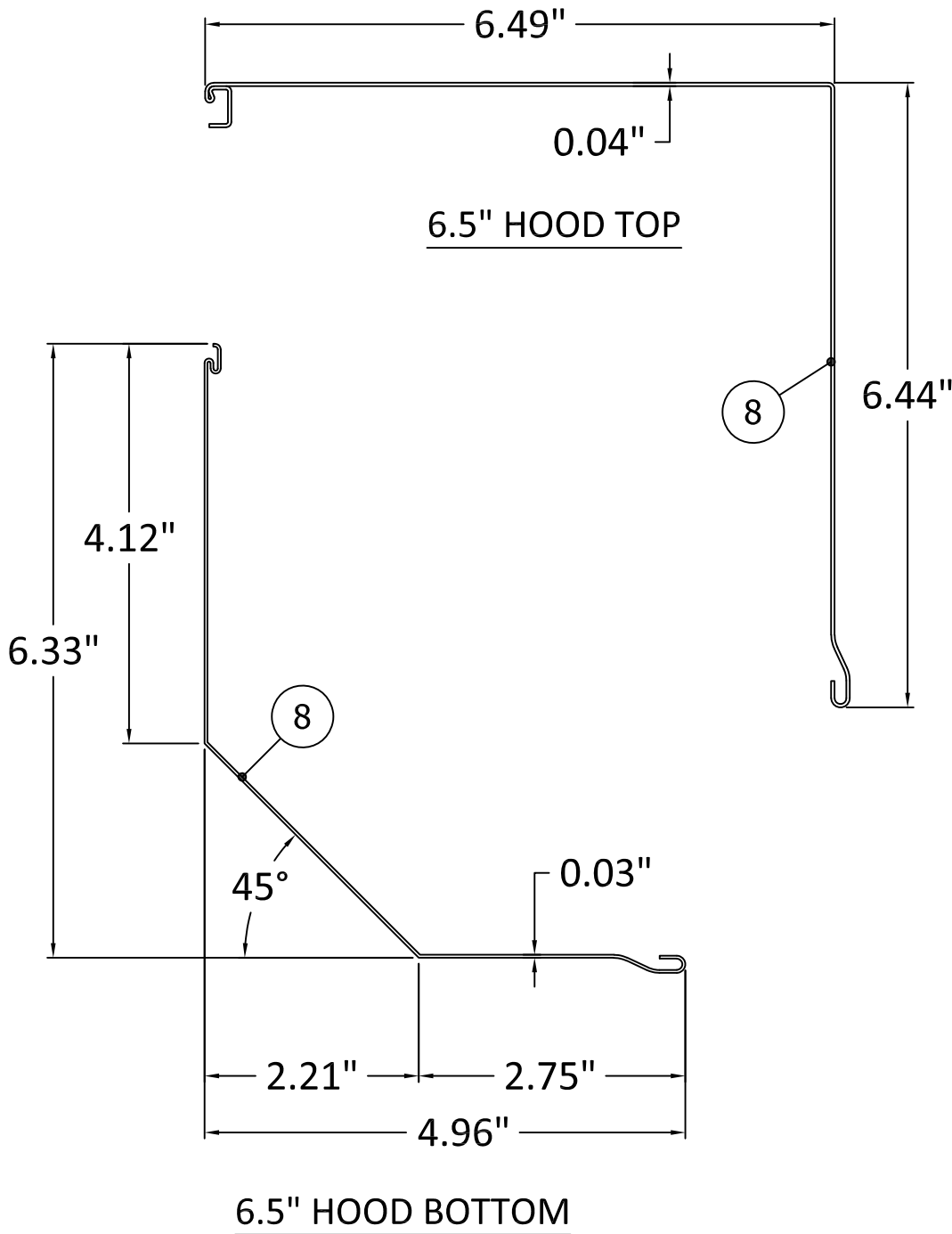
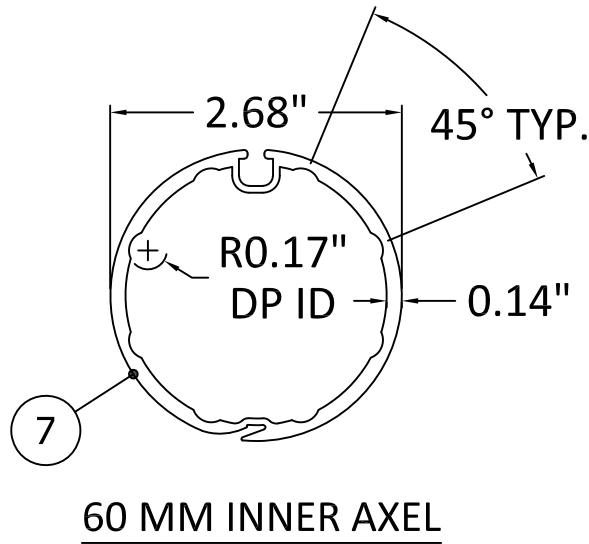
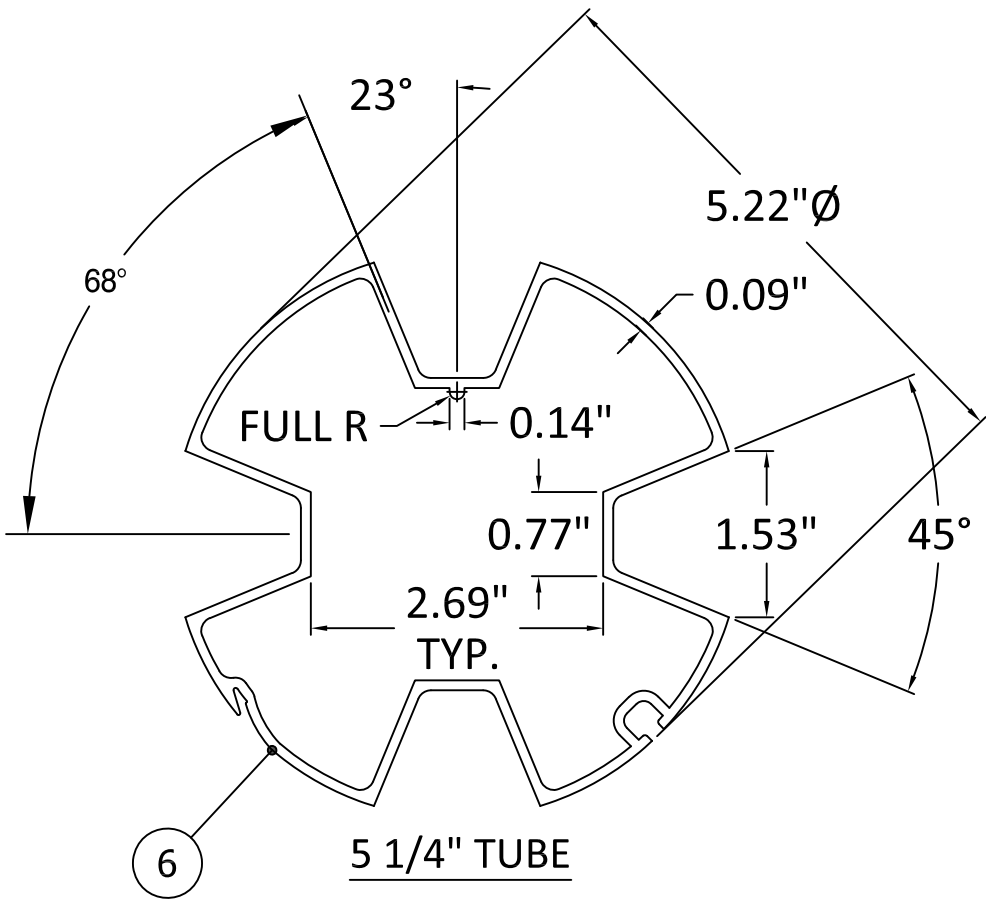
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DATE: 02.05.2020		
DWG. BY: RV	CHK. BY: HFN	
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5.22" TUBE AND 6.5" HOOD DETAILS



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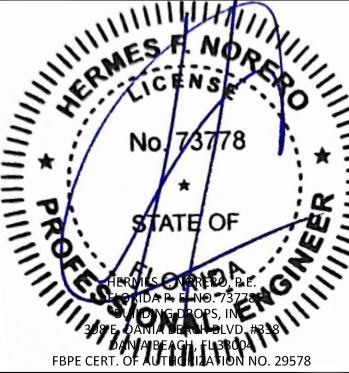
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
5.22" TUBE & 6.5" HOOD DETAILS

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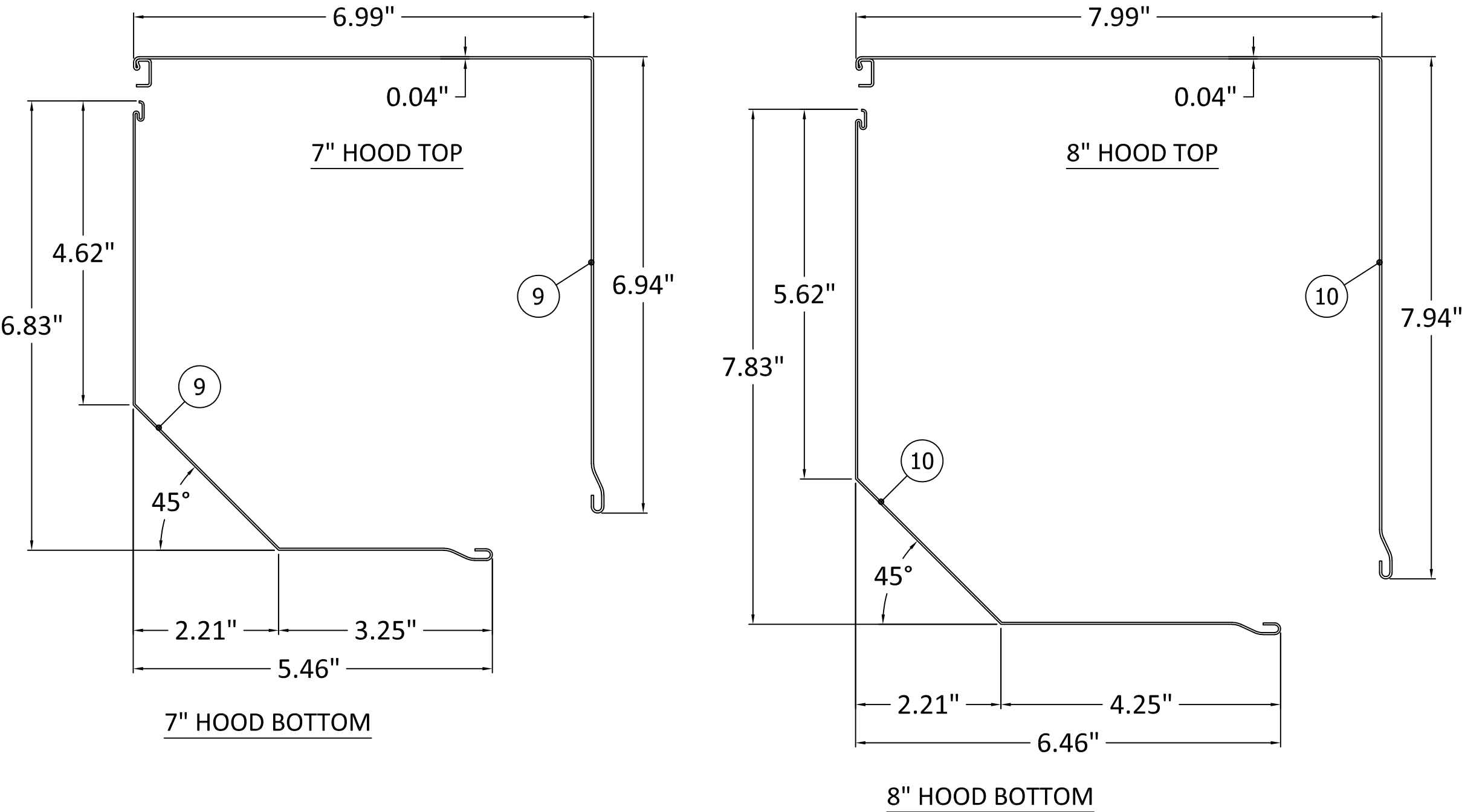


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DATE: 02.05.2020	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: ALU002	
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7" AND 8" HOOD DETAILS



NOTE:
1. 7" & 8" HEADER COVERS WORK WITH 5 1/4" TUBE AND 60 MM INNER AXEL.



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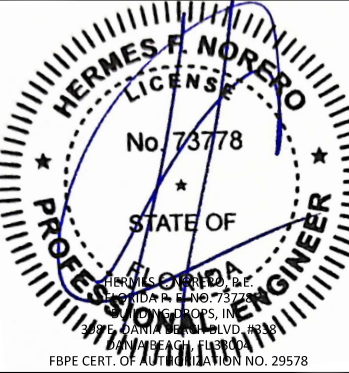
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
7" & 8" HOOD DETAILS

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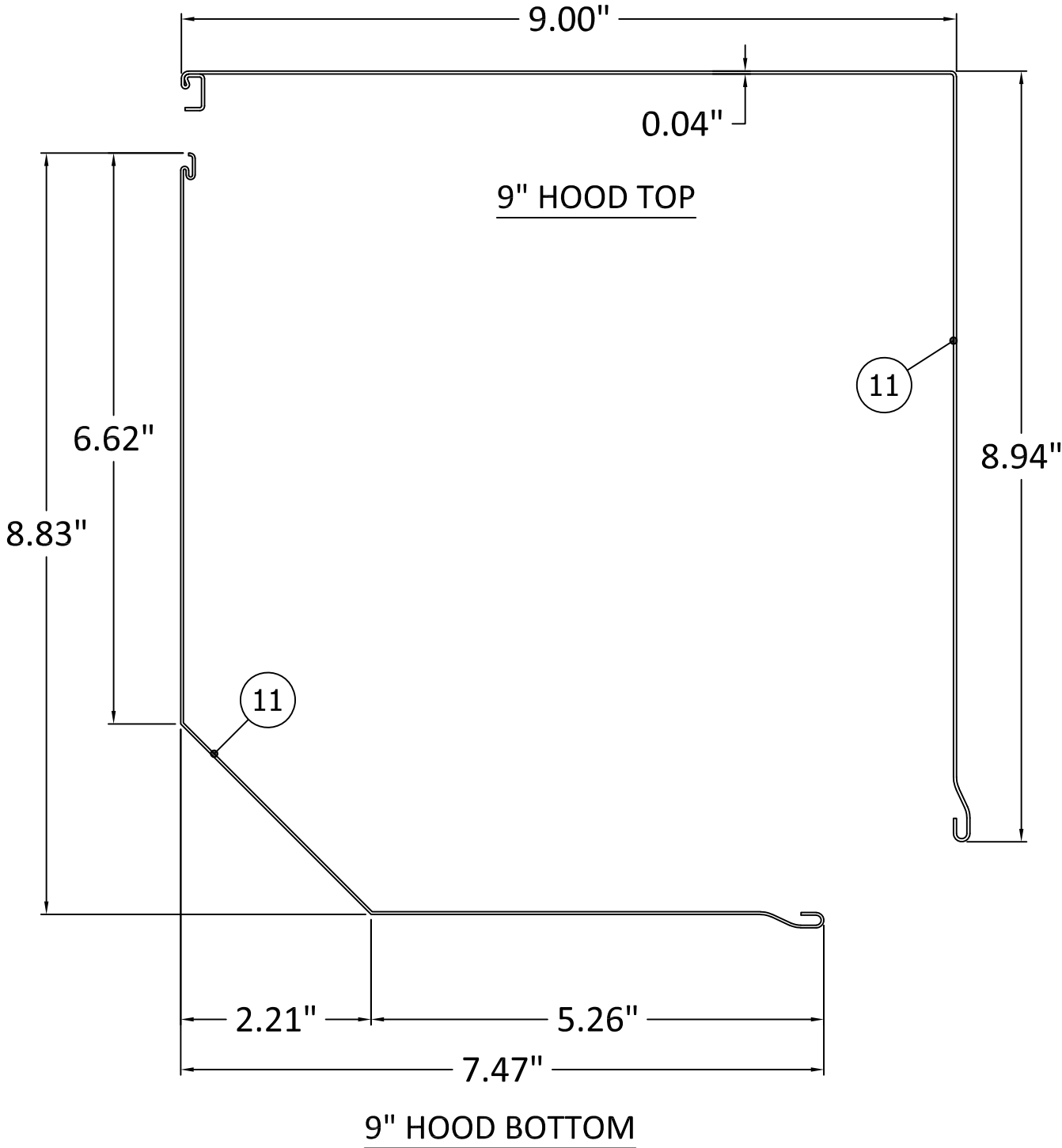
FL31165

DATE: 02.05.2020	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: ALU002	
SHEET: OF 21	

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9/6/2023 3:39 PM

9" HOOD DETAILS



- NOTE:
- 1. 9" HEADER COVERS WORK WITH 5 1/4" TUBE AND 60 MM INNER AXEL.



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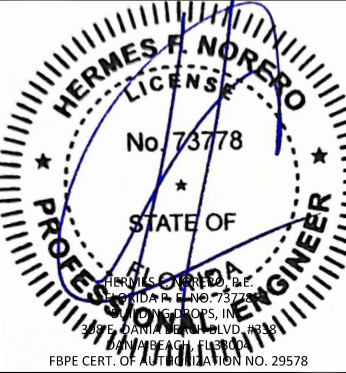
TITLE: STORM TEX SCREEN SYSTEM
(HVHZ) (IMPACT)
9" HOOD DETAILS

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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2023 FBC CODE CHANGE	MS	9/5/23

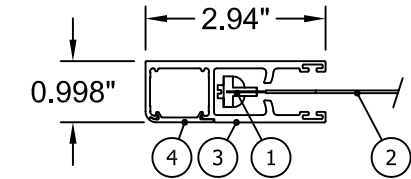
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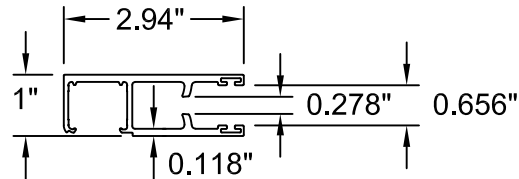
FL31165

DATE: 02.05.2020	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: ALU002	
SHEET: OF 21	

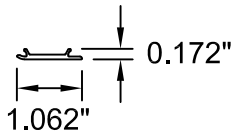
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	PASKAL ZIP KEDER FOR SIDES	POM/NYLON
2	TWITCHELL OMEGA TEX FABRIC	FABRIC
3	SIDE RAIL	ALUMINUM (6061 T6)
4	SNAP IN SCREW COVER	ALUMINUM (6061 T6)
5	3" x 3" x 1/4" ANGLE	ALUMINUM (6061 T6)
6	5.22" TUBE	-
7	60mm INNER AXEL	-
8	6.5" HOOD CAP (TOP & BOTTOM)	-
9	7" HOOD CAP (TOP & BOTTOM)	-
10	8" HOOD CAP (TOP & BOTTOM)	-
11	9" HOOD CAP (TOP & BOTTOM)	-
12	ZIP KEDER	-
13	STANDARD BOTTOM HEMBAR	-
14	ADJUSTABLE BOTTOM HEMBAR	-
15	MINI BOTTOM HEMBAR	-
16	MULLION - 4" x 4" x 1/4"	ALUMINUM (6063 T6)
17	MULLION - 6" x 4" x 1/4"	ALUMINUM (6063 T6)
18	MULLION - 8" x 4" x 1/4"	ALUMINUM (6063 T6)
19	MULLION - 6" x 6" x 1/4"	ALUMINUM (6063 T6)



A WALL MOUNT AND INSET MOUNT



3 SIDE RAIL



4 SNAP IN SCREW COVER

OMEGA TEX FABRIC MECHANICAL PROPERTIES				
PROPERTY	TEST METHOD	WARP	FILL	TYPICAL
WEIGHT, oz/yd ²	D3776-96	22.0 ± 0.5	13.5 ± 0.5	19.0
TENSILE STRENGTH (GRAB), lb	D5034-95	669.40	835.90	-
TENSILE STRENGTH (STRIP), lb	D5035-95	430.00	259.50	-
TEAR STRENGTH, lb	D1117-97	155.80	243.30	-
ELONGATION, %	D5035-95	41.20	7.70	-
ABRASION RESISTANCE	D3884-92	NO EXPOSURE TO CORE YARN		
FLAMMABILITY RATING		CA TITLE 19 & NFPA 701		
WEATHER ABILITY, 1200 HOURS	G53-96	TRACE DISCOLORATION		
BALL BURST, lb	D3787			460+
BURSTING STRENGTH, psi	D3786			1250+
PUNCTURE RESISTANCE, lb	D4833			364



P.O. BOX 329
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SELBYVILLE, DE 19975
PH: (302) 436-6005

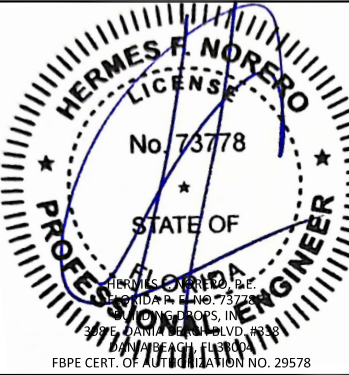
TITLE: STORM TEX SCREEN SYSTEM (HVHZ) (IMPACT) BILL OF MATERIALS & COMPONENTS

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
2023 FBC CODE CHANGE	MS	9/5/23

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL31165

DATE: 02.05.2020

DWG. BY: RV
CHK. BY: HFN

SCALE: NTS

DWG. #: ALU002

SHEET: OF 21

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